## DEVELOPER GUIDE



**BATCH CODE: PR-202307D**

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## 

## 

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**ACKNOLEDGMENT**

**We are thankful to Almighty, ALLAH that by His grace we have been successful. We also thanks to “Sir Muhammad Hashir Siddiqui”**

**we presenting on Visual Studio Code in your hands.**

**This is our First Year Semester E-project. We have tried our best & struggled for a better outlook to come. This project has been developed in Visual Studio Code. We choose to make Webpage for Bakerz Bite as a project. We find easy to do coding in Visual Studio Code.**

**We earnestly hope that this project will provide all the necessarily information required for the user to fulfill their inspiration. However suggestions for improvement of the project will be thankful received & acknowledge**

# **PROJECT CERTIFICATION**

***This is to certify that,***

***Muhammad Abdullah Siddiqui (Enrolment #Student1489050), Syed Muhammad Taha (Enrolment #1486391), Muhammad Hussain Khan(Enrolment #1488941), has successfully designed and developed:***

**Sky Gazing**

***Submitted by***

***Aptech computer Education***

***Date of issue:***

**15-Dec-2023**

***Date of submission:***

**5-Jan-2024.**

# **INTRODUCTION OF Sky GazingHARDWARE&SOFTWARE/REQUIRMENT**

**"At Sky Gazing, we stand as pioneers in our field, tirelessly exploring the uncharted territories of technology, astronomy, sustainable travel, and multimedia with curiosity as vast as the cosmos. Our commitment to pushing boundaries, unveiling hidden wonders, and illuminating the extraordinary remains unparalleled."**

**1) The Home Page should be created making use of Frames.**

**2) A Menu should be created which would categorize all the information about the features provided in the Site For e.g. a Menu for Various thing in Space, a Menu for Moons , Nebula etc etc something like that.**

**3) The Webpage display should be categorized according to the things in our galaxy like if a User wants to see only Moons Section then click on view all explore button and select the section that redirect to your selected section .**

**4) A Products of features of Individual things in galaxy should be displayed on the Web Page along with the astronomical Observatories but detailed Features should be stored in Individual Word documents which can be downloaded or viewed by the User who wishes to see the same.**

**5) There Should be a “About Us” page which will give you the information of sky gazing company and also give information of Team members.**

**6) There Should be a “Gallery” page which will contain pictures that applied on a webpage.**

**7) There should be a “Contact Us” page which will have the Address of the Company which is as follows and the mail address which when clicked will invoke the local ail client from where they can send an email**.

**Hardware:**

* **Intel Core i3/i5 Processor or higher.**
* **8 GB RAM or above.**
* **Color SVGA.**
* **500 GB Hard Disk space.**
* **Mouse.**
* **Keyboard.**

**Software:**

* **Frontend: HTML5, CSS, Bootstrap, JavaScript, jQuery, AngularJS, XML.**
* **Data Source: JSON files or TXT files.**

***Other Requirements*:**

*Operating Portal****:*** Windows.

*Browsers:*Edge, Chrome,

Mozilla Firefox, Safari.

# **SYSTEM REQUIRMENT**

|  |  |  |
| --- | --- | --- |
| No. | Items | Description |
| 1 | **Operating System.** | **WINDOWS XP to 10(latest)** |
| 2 | **Main Processor.** | **Minimum 2.45 or better** |
| 3 | **RAM (Memory)** | **Minimum 256 or better** |
| 4 | **Web Browser** | **Google Chrome/Firefox** |
| 5 | **Software** | **Visual Studio Code** |

# **HOME SECTION CODING**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Sky Gazing</title>

<link style="width: 100%; height: 100%;" rel="shortcut icon" href="/images/facicon.png" type="image/x-icon">

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"

integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2" crossorigin="anonymous">

<link rel="preconnect" href="https://fonts.googleapis.com">

<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

<link href="https://fonts.googleapis.com/css2?family=Ubuntu:wght@300&display=swap" rel="stylesheet">

<link href="https://unpkg.com/aos@2.3.1/dist/aos.css" rel="stylesheet">

<script src="./Libraries/jQuery/code.jquery.com\_jquery-3.7.0.min.js"></script>

<script src="./Libraries/bootstrap-5.3.0-dist/js/bootstrap.bundle.min.js"></script>

<link rel="stylesheet" href="./Libraries/bootstrap-5.3.0-dist/css/bootstrap.min.css">

<link rel="stylesheet" href="./Libraries/font-awesome/fontawesome-free-6.4.0-web/css/all.min.css">

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet"

integrity="sha384-T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN" crossorigin="anonymous">

<!---owl carrousel CSS---->

<link rel="stylesheet" href="./Libraries/owl carousel/OwlCarousel2-2.3.4/dist/assets/owl.carousel.min.css">

<link rel="stylesheet" href="./Libraries/owl carousel/OwlCarousel2-2.3.4/dist/assets/owl.theme.default.min.css">

<!---owl Carrousel JS-->

<script src="./Libraries/owl carousel/OwlCarousel2-2.3.4/dist/owl.carousel.min.js"></script>

<!---owl carrousel-->

<link href="https://unpkg.com/aos@2.3.1/dist/aos.css" rel="stylesheet">

<link rel="stylesheet" href="style.css">

</head>

<body>

<div id="view-count">

<p class="px-3">Current Viewers: <i id="count">0</i></p>

<script>

const count = document.getElementById('count');

function updateCount(i) {

setTimeout(() => {

count.innerHTML = i;

}, i \* 1000); // Adjust the delay time (in milliseconds) as needed

}

for (let i = 0; i < 1000; i++) {

updateCount(i);

}

</script>

</div>

<div>

<div class="background-b">

<div class="main">

<header class="header-area">

<!-- site-navbar start -->

<div class="navbar-area">

<div class="container">

<nav class="site-navbar">

<!-- site logo -->

<img class="logo" src="./images/Black\_and\_White\_Hand\_Drawn\_Moon\_logo\_-removebg-preview.png" alt="">

<!-- site menu/nav -->

<ul>

<div class="dropdown">

<button class="dropbtn">Home <i class="fa-solid fa-angle-down"></i></button>

<div class="dropdown-content">

<a class="dropdown-item" href="#planets">Planets</a>

<a class="dropdown-item" href="#Stars">Stars</a>

<a class="dropdown-item" href="#Moons">Moons</a>

<a class="dropdown-item" href="#Asteroids">Asteroids</a>

<a class="dropdown-item" href="#blackhole">Black Holes</a>

<a class="dropdown-item" href="#Neutronstar">Neutron Stars</a>

<a class="dropdown-item" href="#Comets">Comets</a>

<a class="dropdown-item" href="#Nebula">Nebula</a>

<a class="dropdown-item" href="#Dust">Dust</a>

</div>

</div>

<li><a href="#about">about</a></li>

<li><a href="#gallery">gallery</a></li>

<li><a href="#contact">contact us</a></li>

</ul>

<!-- nav-toggler for mobile version only -->

<button class="nav-toggler">

<span></span>

</button>

</nav>

</div>

</div><!-- navbar-area end -->

</header>

</div>

<div class="main-banner">

<video src="./videos/pexels-zch-12722063 (2160p).mp4" autoplay loop muted></video>

<div class="overlay">

<h1 class="colour" data-aos="fade-up" data-aos-offset="120">UNIVERSE LIFE CYCLE</h1>

<h1 class="colour2" data-aos="fade-up" data-aos-offset="0">13 billion years ago</h1>

<div class="flat-but">

<div class="dropdown">

<button class="btn1 btn-secondary gray dropdown-toggle" type="button" data-bs-toggle="dropdown"

aria-expanded="false" data-aos="zoom-in" data-aos-offset="0">

View all Explore

</button>

<ul class="dropdown-menu">

<li><a class="dropdown-item" href="#planets">Planets</a></li>

<li><a class="dropdown-item" href="#Stars">Stars</a></li>

<li><a class="dropdown-item" href="#Moons">Moons</a></li>

<li><a class="dropdown-item" href="#Asteroids">Asteroids</a></li>

<li><a class="dropdown-item" href="#blackhole">Black Holes</a></li>

<li><a class="dropdown-item" href="#Neutronstar">Neutron Stars</a></li>

<li><a class="dropdown-item" href="#Comets">Comets</a></li>

<li><a class="dropdown-item" href="#Nebula">Nebula</a></li>

<li><a class="dropdown-item" href="#Dust">Dust</a></li>

</ul>

</div>

</div>

</div>

</div>

</div>

<div>

<section data-aos-offset="300" data-aos="zoom-in" id="planets" class="container-fluid p-0 pb-5 menu-caro">

<div id="menu-content" class="row container">

<h1></h1>

<div class="col-6 display-4 my-5 pt-5 text-center">Planets</div>

<div class="col-6 display-4 my-5 pt-5 text-end">

<div class="slider-controls">

<button class="slider-prev"><i class="fas fa-arrow-left"></i></button>

<button class="slider-next"><i class="fas fa-arrow-right"></i></button>

</div>

</div>

</div>

<div id="menu-slider" class="menu-slider owl-carousel container">

<!-- Mercury -->

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/mercury.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Mercury</h1>

<ul class="pstyle">

<li>Discovery: Known since ancient times, but credited to be discovered by telescope observations by

Galileo Galilei in the 17th century.</li>

<li>Size: Mercury has a diameter of about 4,880 kilometers (3,032 miles), making it the smallest planet

in the solar system.</li>

<li>Atmosphere: Very thin and composed mostly of oxygen, sodium, hydrogen, helium, and potassium.</li>

<li>Distance from the Sun: Approximately 57.9 million kilometers (36 million miles).</li>

<li>Other Details: It has extreme temperature variations, ranging from very hot during the day to

extremely cold at night due to its lack of atmosphere.</li>

</ul>

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal1">

View More

</button>

</div>

</div>

<!-- Venus -->

<div class="div-col">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/venus.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Venus</h1>

<ul class="pstyle">

<li>Discovery: Known since ancient times.</li>

<li>Size: Similar in size to Earth, with a diameter of about 12,104 kilometers (7,521 miles).</li>

<li>Atmosphere: Mostly carbon dioxide with clouds of sulfuric acid, creating a thick and toxic

atmosphere.</li>

<li>Distance from the Sun: Roughly 108.2 million kilometers (67.2 million miles).</li>

<li>Other Details: Surface temperature high enough to melt lead; experiences a runaway greenhouse

effect.</li>

</ul>

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal2">

View More

</button>

</div>

</div>

<!-- Earth -->

<div class="div-col">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/earth.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Earth</h1>

<ul class="pstyle">

<li>Discovery: Obviously, Earth is our home planet and has been known to humans for as long as humans

have existed.</li>

<li>Size: Earth has a diameter of about 12,742 kilometers (7,918 miles).</li>

<li>Atmosphere: Composed mainly of nitrogen and oxygen, supporting life.</li>

<li>Distance from the Sun: Approximately 149.6 million kilometers (92.9 million miles).</li>

<li>Other Details: The only known planet to support life, with diverse ecosystems and liquid water on

its surface.</li>

</ul>

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal3">

View More

</button>

</div>

</div>

<!-- Mars -->

<div class="div-col">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/mars.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Mars</h1>

<ul class="pstyle">

<li>Discovery: Known since ancient times.</li>

<li>Size: Diameter of about 6,779 kilometers (4,212 miles).</li>

<li>Atmosphere: Thin atmosphere primarily composed of carbon dioxide with traces of nitrogen and argon.

</li>

<li>Distance from the Sun: Roughly 227.9 million kilometers (141.6 million miles).</li>

<li>Other Details: Has polar ice caps and evidence of past water; ongoing exploration missions for

potential colonization.</li>

</ul>

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal4">

View More

</button>

</div>

</div>

<!-- Jupiter -->

<div class="div-col">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/jupiter.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Jupiter</h1>

<ul class="pstyle">

<li>Discovery: Known since ancient times.</li>

<li>Size: Largest planet in the solar system with a diameter of about 139,820 kilometers (86,881 miles).

</li>

<li>Atmosphere: Primarily hydrogen and helium, with swirling bands of clouds and the iconic Great Red

Spot.</li>

<li>Distance from the Sun: Approximately 778.5 million kilometers (484 million miles).</li>

<li>Other Details: Numerous moons and a powerful magnetic field.</li>

</ul>

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal5">

View More

</button>

</div>

</div>

<!-- Saturn -->

<div class="div-col">

<div class="mat">

<img class="plat1" src="./images/satr.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Saturn</h1>

<ul class="pstyle">

<li>Discovery: Known since ancient times.</li>

<li>Size: Diameter of about 116,460 kilometers (72,366 miles).</li>

<li>Atmosphere: Predominantly hydrogen and helium, with beautiful rings made of ice and dust particles.

</li>

<li>Distance from the Sun: Roughly 1.4 billion kilometers (886 million miles).</li>

<li>Other Details: Extensive ring system is its most prominent feature.</li>

</ul>

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal6">

View More

</button>

</div>

</div>

<!-- Uranus -->

<div class="div-col">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/ura.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Uranus</h1>

<ul class="pstyle">

<li>Discovery: Discovered by William Herschel in 1781.</li>

<li>Size: Diameter of about 50,724 kilometers (31,518 miles).</li>

<li>Atmosphere: Mainly hydrogen and helium, with traces of methane giving it a blue-green color.</li>

<li>Distance from the Sun: Approximately 2.9 billion kilometers (1.8 billion miles).</li>

<li>Other Details: Rotates on its side, possibly due to a past collision.</li>

</ul>

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal7">

View More

</button>

</div>

</div>

<!-- Neptune -->

<div class="div-col">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/nep.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Neptune</h1>

<ul class="pstyle">

<li>Discovery: Discovered by Johann Galle and Urbain Le Verrier in 1846.</li>

<li>Size: Diameter of about 49,244 kilometers (30,598 miles).</li>

<li>Atmosphere: Composed mostly of hydrogen, helium, and methane, giving it a blue appearance.</li>

<li>Distance from the Sun: Roughly 4.5 billion kilometers (2.8 billion miles).</li>

<li>Other Details: winds and a series of dark spots on its surface.</li>

</ul>

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal8">

View More

</button>

</div>

</div>

<!-- Pluto -->

<div class="div-col">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/pluto.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Pluto</h1>

<ul class="pstyle">

<li>Discovery: Discovered by Clyde Tombaugh in 1930.</li>

<li>Size: Diameter of about 2,377 kilometers (1,477 miles).</li>

<li>Atmosphere: Thin atmosphere mainly composed of nitrogen, with traces of methane and carbon monoxide.

</li>

<li>Distance from the Sun: On average, about 5.9 billion kilometers (3.7 billion miles) away from the

Sun.</li>

<li>Other Details: Five known moons; reclassified as a dwarf planet by the IAU in 2006.</li>

</ul>

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal9">

View More

</button>

</div>

</div>

</div>

<script>

$(document).ready(function () {

$('#menu-slider').owlCarousel({

items: 4,

loop: true,

margin: 10,

nav: false,

dots: false,

responsive: {

0: {

items: 1

},

768: {

items: 2

},

992: {

items: 3

},

1140: {

items: 3

}

}

});

// Custom navigation

$('#menu-content .slider-prev').click(function () {

$('#menu-slider').trigger('prev.owl.carousel');

});

$('#menu-content .slider-next').click(function () {

$('#menu-slider').trigger('next.owl.carousel');

});

});

</script>

</section>

<!-- Modal for Pluto -->

<div class="modal" id="myModal9">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h4 class="modal-title">Pluto</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/pluto.png" alt="Pluto">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Distance from the Sun: Approximately 5.9 billion kilometers (3.7 billion miles).</li>

<li>Size: Pluto has a diameter of about 2,377 kilometers (1,477 miles).</li>

<li>Composition: Mostly composed of rock and ice with a thin atmosphere primarily of nitrogen.</li>

<li>Pluto has 5 known moons, the largest being Charon.</li>

<li>It was considered the ninth planet in the solar system until its reclassification as a dwarf

planet in 2006.</li>

</ul>

</div>

</div>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for Neptune -->

<div class="modal" id="myModal8">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h4 class="modal-title">Neptune</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/nep.png" alt="Neptune">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Distance from the Sun: Approximately 4.5 billion kilometers (2.8 billion miles).</li>

<li>Size: Neptune has a diameter of about 49,244 kilometers (30,598 miles).</li>

<li>Atmosphere: Primarily composed of hydrogen, helium, and traces of methane.</li>

<li>Has a series of dark spots, the most famous being the Great Dark Spot.</li>

<li>Neptune has a set of thin, faint rings and 14 known moons.</li>

</ul>

</div>

</div>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for Uranus -->

<div class="modal" id="myModal7">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h4 class="modal-title">Uranus</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/ura.png" alt="Uranus">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Distance from the Sun: Approximately 2.88 billion kilometers (1.79 billion miles).</li>

<li>Size: Uranus has a diameter of about 50,724 kilometers (31,518 miles).</li>

<li>Atmosphere: Mainly consists of hydrogen, helium, and methane.</li>

<li>Has a unique axial tilt of about 98 degrees, resulting in its extreme seasons.</li>

<li>Known for its set of faint rings and 27 known moons.</li>

</ul>

</div>

</div>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for Saturn -->

<div class="modal" id="myModal6">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h4 class="modal-title">Saturn</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/satr.png" alt="Saturn">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Distance from the Sun: Approximately 1.43 billion kilometers (891 million miles).</li>

<li>Size: Saturn has a diameter of about 116,460 kilometers (72,366 miles).</li>

<li>Atmosphere: Primarily composed of hydrogen and helium.</li>

<li>Famous for its extensive and prominent ring system made of ice particles and rocky debris.</li>

<li>Has more than 80 confirmed moons, including Titan, the second-largest moon in the solar system.

</li>

</ul>

</div>

</div>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for Jupiter -->

<div class="modal" id="myModal5">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h4 class="modal-title">Jupiter</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/jupiter.png" alt="Jupiter">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Distance from the Sun: Approximately 778.5 million kilometers (483.8 million miles).</li>

<li>Size: Jupiter is the largest planet in our solar system, with a diameter of about 139,820

kilometers (86,881 miles).</li>

<li>Atmosphere: Mainly composed of hydrogen and helium with traces of other elements.</li>

<li>Known for its massive storms, including the Great Red Spot, a giant storm that has been observed

for centuries.</li>

<li>Has a diverse system of moons, with at least 79 known natural satellites.</li>

</ul>

</div>

</div>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for Mars -->

<div class="modal" id="myModal4">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h4 class="modal-title">Mars</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/mars.png" alt="Mars">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Distance from the Sun: Approximately 227.9 million kilometers (141.6 million miles).</li>

<li>Size: Mars has a diameter of about 6,779 kilometers (4,212 miles).</li>

<li>Atmosphere: Mostly composed of carbon dioxide with traces of nitrogen and argon.</li>

<li>Surface: Known for its red appearance due to iron oxide (rust) covering its surface.</li>

<li>Possibility of past liquid water on its surface.</li>

</ul>

</div>

</div>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for Earth -->

<div class="modal" id="myModal3">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h4 class="modal-title">Earth</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/earth.png" alt="Earth">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Distance from the Sun: Approximately 149.6 million kilometers (93 million miles).</li>

<li>Size: Earth has a diameter of about 12,742 kilometers (7,918 miles).</li>

<li>Atmosphere: Composed mainly of nitrogen and oxygen, with traces of other gases.</li>

<li>Surface: Contains oceans, landmasses, and a variety of ecosystems supporting diverse life forms.

</li>

<li>Only known planet to support life.</li>

</ul>

</div>

</div>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Planet Modals -->

<div class="modal" id="myModal1">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h4 class="modal-title">Mercury</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/mercury.png" alt="Mercury">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery: Known since ancient times, but credited to be discovered by telescope observations by

Galileo Galilei in the 17th century.</li>

<li>Size: Mercury has a diameter of about 4,880 kilometers (3,032 miles), making it the smallest

planet in the solar system.</li>

<li>Atmosphere: Very thin and composed mostly of oxygen, sodium, hydrogen, helium, and potassium.

</li>

<li>Distance from the Sun: Approximately 57.9 million kilometers (36 million miles).</li>

<li>Other Details: It has extreme temperature variations, ranging from very hot during the day to

extremely cold at night due to its lack of atmosphere.</li>

</ul>

</div>

</div>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for Venus -->

<div class="modal" id="myModal2">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h4 class="modal-title">Venus</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/venus.png" alt="Venus">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Distance from the Sun: Approximately 108.2 million kilometers (67.2 million miles).</li>

<li>Size: Venus has a diameter of about 12,104 kilometers (7,521 miles), making it slightly smaller

than Earth.</li>

<li>Atmosphere: Predominantly composed of carbon dioxide with clouds of sulfuric acid.</li>

<li>Surface: Covered in thick clouds that trap heat, making it the hottest planet in the solar

system.</li>

<li>Rotation: Venus rotates in the opposite direction to most planets.</li>

</ul>

</div>

</div>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<div class="background-d">

<div class="astro-grid">

<div class="img-astro" data-aos-offset="300" data-aos="fade-up">

<img src="./images/astro1.jpg" alt="">

</div>

<div class="astro-pri" data-aos-offset="300" data-aos="fade-down">

<h1 class="astrohead">Mauna Kea Observatory</h1>

<h3 class="h3astro">Specification:</h3>

<p class="p-astro">"The Mauna Kea Observatory, situated in Hawaii, is renowned for its high-altitude

location at 13,796 feet, offering exceptional astronomical conditions. Home to numerous telescopes, its

clear, dark skies provide unparalleled views of celestial phenomena, making it a prime destination for

astronomers worldwide."

</p>

<iframe class="mapastro"

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d30027.648041529712!2d-155.48869320405055!3d19.82064934220024!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x7953bd819bc89e11%3A0xf9159b9c95991c20!2sMauna%20Kea!5e0!3m2!1sen!2s!4v1702900093550!5m2!1sen!2s"

style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

</div>

</div>

</div>

<section data-aos-offset="600" data-aos="zoom-in" id="Stars" class="container-fluid p-0 pb-5 menu-caro">

<div id="menu-content1" class="row container">

<div class="col-6 display-4 my-5 pt-5 text-center">Stars</div>

<div class="col-6 display-4 my-5 pt-5 text-end">

<div class="slider-controls">

<button class="slider-prev1"><i class="fas fa-arrow-left"></i></button>

<button class="slider-next1" 1><i class="fas fa-arrow-right"></i></button>

</div>

</div>

</div>

<div id="menu-slider1" class="menu-slider1 owl-carousel container">

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/s1.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Aldebaran</h1>

<ul class="pstyle">

<li>Discovery: Known since ancient times.</li>

<li>Size: Around 44 times larger than the Sun.</li>

<li>Atmosphere: Red giant star with an outer atmosphere cooler than the Sun.</li>

<li>Distance: Located about 65 light-years away from Earth.</li>

<li>Other Details: Forms the eye of the Taurus constellation.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal10">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/s2.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Alpha Centauri A</h1>

<ul class="pstyle">

<li>Discovery: Discovered in 1839 by Scottish astronomer Thomas Henderson.</li>

<li>Size: Slightly larger and more massive than the Sun.</li>

<li>Atmosphere: Yellow main-sequence star similar to our Sun.</li>

<li>Distance: Located about 4.37 light-years away from the Sun.</li>

<li>Other Details: Forms the Alpha Centauri system with Alpha Centauri B and Proxima Centauri.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal11">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/s3.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Alpha Centauri B</h1>

<ul class="pstyle">

<li>Discovery: Discovered as part of the Alpha Centauri star system.</li>

<li>Size: Alpha Centauri B is a K-type main-sequence star, slightly smaller and cooler than the Sun.

</li>

<li>Atmosphere: It has an atmosphere like that of many other stars.</li>

<li>Distance: Approximately 4.37 light-years away from Earth, part of the closest star system to our

solar system.</li>

<li>Other Details: It orbits closely with Alpha Centauri A and Proxima Centauri, forming the Alpha

Centauri star system.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal12">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/s4.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Proxima Centauri</h1>

<ul class="pstyle">

<li>Discovery: Discovered in 1915 by Robert Innes.</li>

<li>Size: Proxima Centauri is a small red dwarf star.</li>

<li>Atmosphere: Known for its intense stellar flares.</li>

<li>Distance: Closest known star to the Sun, located about 4.24 light-years away in the Alpha Centauri

star system.</li>

<li>Other Details: Classified as a flare star, its proximity to Earth makes it an important target for

scientific research.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal13">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/s5.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Arcturus</h1>

<ul class="pstyle">

<li>Discovery: Known to ancient astronomers.</li>

<li>Size: It is a red giant star, one of the brightest stars in the sky, larger and brighter than the

Sun.</li>

<li>Atmosphere: Its atmosphere is composed mainly of hydrogen and helium.</li>

<li>Distance: Approximately 36.7 light-years away from Earth.</li>

<li>Other Details: Arcturus is visible in the northern hemisphere and is part of the constellation

Bootes.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal14">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/s6.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Betelgeuse</h1>

<ul class="pstyle">

<li>Discovery: Not precisely known.</li>

<li>Size: It is a red supergiant, one of the largest stars known, approximately 950–1,200 times larger

than the Sun.</li>

<li>Atmosphere: Rich in heavy elements and characterized by a complex atmosphere.</li>

<li>Distance: Approximately 643 light-years away from Earth.</li>

<li>Other Details: Betelgeuse is located in the constellation of Orion and is visibly bright, part of

the famous Orion's belt.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal15">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/s7.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Deneb</h1>

<ul class="pstyle">

<li>Discovery: Not precisely known.</li>

<li>Size: It is a supergiant star, one of the largest known stars, roughly 200,000 times brighter than

the Sun.</li>

<li>Atmosphere: Classified as a white supergiant, possessing a surface temperature of about 8,525 K.

</li>

<li>Distance: Approximately 2,600 light-years away from Earth.</li>

<li>Other Details: Deneb is part of the Northern Cross constellation, Cygnus, and is one of the vertices

of the Summer Triangle asterism.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal16">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/s8.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Polaris</h1>

<ul class="pstyle">

<li>Discovery: Known for centuries as it's easily visible to the naked eye.</li>

<li>Size: Classified as a Cepheid variable star, about 46 times the size of the Sun.</li>

<li>Atmosphere: Identified as a yellow-white supergiant, with a surface temperature of approximately

6,000 K.</li>

<li>Distance: Roughly 433 light-years away from Earth.</li>

<li>Other Details: Polaris is famously known as the North Star and serves as a guiding point for

navigation due to its proximity to the celestial North Pole.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal17">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/s9.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Rigel</h1>

<ul class="pstyle">

<li>Discovery: Known since ancient times due to its brightness and visibility.</li>

<li>Size: A blue supergiant, around 78 times larger than the Sun.</li>

<li>Atmosphere: Classified as a young star with a surface temperature of roughly 12,100 K.</li>

<li>Distance: Located about 860 light-years away from Earth.</li>

<li>Other Details: Rigel is part of the Orion constellation and is one of the brightest stars in the

night sky.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal18">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/s10.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Sirius</h1>

<ul class="pstyle">

<li>Discovery: Known to ancient civilizations due to its brightness.</li>

<li>Size: A binary star system comprising Sirius A (about twice the size of the Sun) and Sirius B (a

white dwarf).</li>

<li>Atmosphere: Sirius A is a main-sequence star with a surface temperature of approximately 9,940 K.

</li>

<li>Distance: Located roughly 8.6 light-years away from Earth.</li>

<li>Other Details: Often referred to as the "Dog Star" and is the brightest star visible from Earth.

</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal19">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/vega.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Vega</h1>

<ul class="pstyle">

<li>Discovery: Known for centuries and is one of the brightest stars in the sky.</li>

<li>Size: A white main-sequence star, around 2.1 times larger than the Sun.</li>

<li>Atmosphere: Vega has a surface temperature of about 9,600 K.</li>

<li>Distance: Positioned approximately 25 light-years away from Earth.</li>

<li>Other Details: Vega is the brightest star in the constellation of Lyra and plays a significant role

in various cultures.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal20">

View More

</button>

</div>

</div>

</div>

<script>

$(document).ready(function () {

$('#menu-slider1').owlCarousel({

items: 4,

loop: true,

margin: 10,

nav: false,

dots: false,

responsive: {

0: {

items: 1

},

768: {

items: 2

},

992: {

items: 3

},

1140: {

items: 3

}

}

});

//

//ends

// Custom navigation

$('#menu-content1 .slider-prev1').click(function () {

$('#menu-slider1').trigger('prev.owl.carousel');

});

$('#menu-content1 .slider-next1').click(function () {

$('#menu-slider1').trigger('next.owl.carousel');

});

});

</script>

</section>

<!-- The Modal for Vega -->

<div class="modal" id="myModal20">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Vega</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/vega.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: Vega has been known since ancient times and does not have a specific date of

discovery.</li>

<li>Size: Vega is about 2.1 times the size of the Sun.</li>

<li>Atmosphere: It is a type A (A0V) main-sequence star, predominantly composed of hydrogen and

helium.</li>

<li>Distance from Sun: Vega is approximately 25 light-years away from the Sun.</li>

<li>Distance from Earth: Approximately 25 light-years from Earth.</li>

<li>Other Important Details: Vega is the fifth-brightest star in the night sky and is a part of the

constellation Lyra.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Sirius -->

<div class="modal" id="myModal19">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Sirius</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/s10.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: Sirius has been known since ancient times and doesn't have a specific date of

discovery.</li>

<li>Size: Sirius A is about 1.7 times the size of the Sun, while Sirius B is a white dwarf roughly

the size of Earth.</li>

<li>Atmosphere: Sirius A is a type A (A1V) main-sequence star, predominantly composed of hydrogen

and helium.</li>

<li>Distance from Sun: Sirius is approximately 8.6 light-years away from the Sun.</li>

<li>Distance from Earth: Approximately 8.6 light-years from Earth.</li>

<li>Other Important Details: Sirius is the brightest star in Earth's night sky and is part of the

constellation Canis Major.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Rigel -->

<div class="modal" id="myModal18">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Rigel</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/s9.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: Rigel has been known since ancient times and doesn't have a specific date of

discovery.</li>

<li>Size: Rigel is approximately 78 times the size of the Sun.</li>

<li>Atmosphere: It is a type B (B8Ia) blue supergiant star, composed mainly of helium and hydrogen.

</li>

<li>Distance from Sun: Rigel is approximately 860 light-years away from the Sun.</li>

<li>Distance from Earth: Approximately 860 light-years from Earth.</li>

<li>Other Important Details: Rigel is the brightest star in the constellation Orion and is part of

the famous Orion constellation.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Polaris -->

<div class="modal" id="myModal17">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Polaris</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/s8.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: Polaris has been known since ancient times and doesn't have a specific date of

discovery.</li>

<li>Size: Polaris is approximately 45-50 times larger than the Sun.</li>

<li>Atmosphere: It is a type F (F7Ib) yellow supergiant star, composed mainly of hydrogen and

helium.</li>

<li>Distance from Sun: Polaris is approximately 433 light-years away from the Sun.</li>

<li>Distance from Earth: Approximately 433 light-years from Earth.</li>

<li>Other Important Details: Polaris is famous for being the North Star, aiding navigation due to

its proximity to the celestial north pole.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Deneb -->

<div class="modal" id="myModal16">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Deneb</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/s7.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: Deneb has been known since ancient times and doesn't have a specific date of

discovery.</li>

<li>Size: Deneb is approximately 200 times larger than the Sun.</li>

<li>Atmosphere: It is a type A (A2Ia) supergiant star, primarily composed of hydrogen and helium.

</li>

<li>Distance from Sun: Deneb is approximately 2,600 light-years away from the Sun.</li>

<li>Distance from Earth: Approximately 2,600 light-years from Earth.</li>

<li>Other Important Details: Deneb is one of the brightest stars in the night sky and is part of the

constellation Cygnus.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Betelgeuse -->

<div class="modal" id="myModal15">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Betelgeuse</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/s6.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: Betelgeuse has been known since ancient times and doesn't have a specific date of

discovery.</li>

<li>Size: Betelgeuse is approximately 700-900 times larger than the Sun.</li>

<li>Atmosphere: It is a type M (M1-2Ia-Iab) red supergiant star, primarily composed of hydrogen.

</li>

<li>Distance from Sun: Betelgeuse is approximately 642.5 light-years away from the Sun.</li>

<li>Distance from Earth: Approximately 642.5 light-years from Earth.</li>

<li>Other Important Details: Betelgeuse is one of the largest known stars and is part of the

constellation Orion.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Arcturus -->

<div class="modal" id="myModal14">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Arcturus</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/s5.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: Known since ancient times</li>

<li>Size: It's a red giant star, around 25 times the diameter of the Sun</li>

<li>Atmosphere: Classified as a K-type star with an outer atmosphere</li>

<li>Distance from Sun: Approximately 37 light-years away</li>

<li>Distance from Earth: Approximately 37 light-years away</li>

<li>Other Details: Arcturus is the brightest star in the northern celestial hemisphere</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Proxima Centauri -->

<div class="modal" id="myModal13">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Proxima Centauri</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/s4.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: First observed in 1915 by Robert Innes</li>

<li>Size: It's a small star, cooler and dimmer than the Sun</li>

<li>Atmosphere: Red dwarf star with a thin outer atmosphere</li>

<li>Distance from Sun: About 4.24 light-years away</li>

<li>Distance from Earth: Approximately 4.24 light-years away</li>

<li>Other Details: Proxima Centauri is part of the Alpha Centauri system and is the closest known

star to the Sun</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Alpha Centauri B -->

<div class="modal" id="myModal12">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Alpha Centauri B</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/s3.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: 1830s</li>

<li>Size: Radius about 0.865 times that of the Sun</li>

<li>Atmosphere: K1V spectral type as an orange dwarf</li>

<li>Distance from Sun: Approximately 4.37 light-years</li>

<li>Distance from Earth: Approximately 4.37 light-years</li>

<li>Other Details: Part of the Alpha Centauri star system</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Alpha Centauri A -->

<div class="modal" id="myModal11">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Alpha Centauri A</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/s2.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: Ancient times</li>

<li>Size: Radius about 1.1 times that of the Sun</li>

<li>Atmosphere: G2V spectral type as a yellow dwarf</li>

<li>Distance from Sun: Approximately 4.37 light-years</li>

<li>Distance from Earth: Approximately 4.37 light-years</li>

<li>Other Details: Part of the Alpha Centauri star system, closest to Earth after the Sun</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal -->

<div class="modal" id="myModal10">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Aldebaran</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/s1.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: Ancient times</li>

<li>Size: Radius about 44.2 times that of the Sun</li>

<li>Atmosphere: K5III spectral type as an orange giant</li>

<li>Distance from Sun: Approximately 65 light-years</li>

<li>Distance from Earth: Approximately 65 light-years</li>

<li>Other Details: Aldebaran is one of the brightest stars in the night sky, visible in the

constellation Taurus</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<div class="background-d">

<div class="astro-grid1">

<div class="astro-pri" data-aos-offset="400" data-aos="fade-up">

<h1 class="astrohead">Arecibo Observatory</h1>

<h3 class="h3astro">Specification:</h3>

<p class="p-astro">"The Arecibo Observatory, previously the world's largest single-dish radio telescope

located in Puerto Rico, played a pivotal role in astronomical research and space exploration. Known for

its iconic suspended platform, sadly, the observatory suffered structural damage and was decommissioned in

2020."</p>

<iframe class="mapastro"

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3787.0688822079856!2d-66.75529572614549!3d18.344141674542296!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x8c02db84dca94fc1%3A0x1ce481f2793da255!2sArecibo%20Observatory!5e0!3m2!1sen!2s!4v1702962396952!5m2!1sen!2s"

style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

</div>

<div class="img-astro" data-aos-offset="400" data-aos="fade-down">

<img src="./images/astro-2.jpg" alt="">

</div>

</div>

</div>

<section data-aos-offset="300" data-aos="zoom-in" id="Moons" class="container-fluid p-0 pb-5 menu-caro">

<h1 style="text-align: center; font-size: 4vw;">Moons</h1>

<div id="menu-content2" class="row container">

<div class="col-6 display-4 my-5 pt-5 text-center">Moons Of Mars</div>

<div class="col-6 display-4 my-5 pt-5 text-end">

<div class="slider-controls">

<button class="slider-prev2"><i class="fas fa-arrow-left"></i></button>

<button class="slider-next2"><i class="fas fa-arrow-right"></i></button>

</div>

</div>

</div>

<div id="menu-slider2" class="menu-slider2 owl-carousel container">

<div class="div-col items">

<div class="mat">

<img class="plat3" style="border-radius: 50%;" src="./images/deimos.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Deimos</h1>

<ul class="pstyle">

<li>Discovered: August 12, 1877</li>

<li>Size: Mean radius of about 6.2 kilometers</li>

<li>Atmosphere: Limited atmosphere</li>

<li>Distance from Sun: Varies (Mars orbit - about 23,460 km from Mars)</li>

<li>Distance from Earth: Varies (Mars distance from Earth varies due to elliptical orbits)</li>

<li>Other Details: Irregular shape, thought to be captured asteroid</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal21">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat3" style="border-radius: 50%;" src="./images/phoros.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Phobos</h1>

<ul class="pstyle">

<li>Discovered: August 17, 1877</li>

<li>Size: Mean radius of about 11.1 kilometers</li>

<li>Atmosphere: Thin or no atmosphere</li>

<li>Distance from Sun: Varies (Mars orbit - about 9,378 km from Mars)</li>

<li>Distance from Earth: Varies (Mars distance from Earth varies due to elliptical orbits)</li>

<li>Other Details: Irregular shape, potential future collision with Mars or disintegration</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal22">

View More

</button>

</div>

</div>

</div>

<script>

$(document).ready(function () {

$('#menu-slider2').owlCarousel({

items: 4,

loop: true,

margin: 10,

nav: false,

dots: false,

responsive: {

0: {

items: 1

},

768: {

items: 2

},

992: {

items: 2

},

1140: {

items: 2

}

}

});

// Custom navigation

$('#menu-content2 .slider-prev2').click(function () {

$('#menu-slider2').trigger('prev.owl.carousel');

});

$('#menu-content2 .slider-next2').click(function () {

$('#menu-slider2').trigger('next.owl.carousel');

});

});

</script>

</section>

<!-- The Modal for Deimos -->

<div class="modal" id="myModal21">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Deimos</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/deimos.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: August 12, 1877</li>

<li>Size: Mean radius of about 6.2 kilometers</li>

<li>Atmosphere: Limited atmosphere</li>

<li>Distance from Sun: Varies (Mars orbit - about 23,460 km from Mars)</li>

<li>Distance from Earth: Varies (Mars distance from Earth varies due to elliptical orbits)</li>

<li>Other Details: Irregular shape, thought to be captured asteroid</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Phobos -->

<div class="modal" id="myModal22">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Phobos</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/phoros.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: August 17, 1877</li>

<li>Size: Mean radius of about 11.1 kilometers</li>

<li>Atmosphere: Thin or no atmosphere</li>

<li>Distance from Sun: Varies (Mars orbit - about 9,378 km from Mars)</li>

<li>Distance from Earth: Varies (Mars distance from Earth varies due to elliptical orbits)</li>

<li>Other Details: Irregular shape, potential future collision with Mars or disintegration</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<div class="background-d">

<div class="astro-grid">

<div class="img-astro" data-aos-offset="300" data-aos="fade-up">

<img src="./images/astro3.jpg" alt="">

</div>

<div class="astro-pri" data-aos-offset="300" data-aos="fade-down">

<h1 class="astrohead">Palomar Observatory</h1>

<h3 class="h3astro">Specification:</h3>

<p class="p-astro">

"The Palomar Observatory, nestled in California's San Gabriel Mountains, houses the iconic Hale Telescope,

once the world's largest telescope. Renowned for groundbreaking astronomical discoveries, it continues to

contribute significantly to our understanding of the universe."</p>

<iframe class="mapastro"

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3332.5650931222053!2d-116.86757442555177!3d33.356310154158756!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x80db96e7d65e3475%3A0x9602e5fc88fa56e6!2sPalomar%20Observatory!5e0!3m2!1sen!2s!4v1702962468591!5m2!1sen!2s"

style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

</div>

</div>

</div>

<section data-aos-offset="300" data-aos="zoom-in" id="menu-caro" data-aos="fade-down"

data-aos-easing="ease-out-cubic" class="container-fluid p-0 pb-5 menu-caro">

<div id="menu-content4" class="row container">

<div class="col-6 display-4 my-5 pt-5 text-center">Moons Of Jupiter</div>

<div class="col-6 display-4 my-5 pt-5 text-end">

<div class="slider-controls">

<button class="slider-prev4"><i class="fas fa-arrow-left"></i></button>

<button class="slider-next4"><i class="fas fa-arrow-right"></i></button>

</div>

</div>

</div>

<div id="menu-slider4" class="menu-slider4 owl-carousel container">

<!-- Io -->

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/p4.png" alt="Io">

</div>

<div class="divpad">

<h1 class="hstyle">Lo</h1>

<ul class="pstyle">

<li>Discovered: January 8, 1610, by Galileo Galilei</li>

<li>Size: Mean radius of about 1,821.3 kilometers</li>

<li>Atmosphere: Thin, sulfur dioxide atmosphere</li>

<li>Distance from Sun: Approximately 778.5 million kilometers</li>

<li>Distance from Earth: Varies between approximately 628.3 million kilometers and 968.3 million

kilometers</li>

<li>Other Details: Lo is the most volcanically active object in the solar system.</li>

</ul>

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal30">

View More

</button>

</div>

</div>

<!-- Europa -->

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/p2.png" alt="Europa">

</div>

<div class="divpad">

<h1 class="hstyle">Europa</h1>

<ul class="pstyle">

<li>Discovered: January 8, 1610, by Galileo Galilei</li>

<li>Size: Mean radius of about 1,560.8 kilometers</li>

<li>Atmosphere: Thin, oxygen atmosphere</li>

<li>Distance from Sun: Approximately 778.5 million kilometers</li>

<li>Distance from Earth: Varies between approximately 628.3 million kilometers and 968.3 million

kilometers</li>

<li>Other Details: Europa has a subsurface ocean beneath its icy surface.</li>

</ul>

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal31">

View More

</button>

</div>

</div>

<!-- Ganymede -->

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/p3.png" alt="Ganymede">

</div>

<div class="divpad">

<h1 class="hstyle">Ganymede</h1>

<ul class="pstyle">

<li>Discovered: January 7, 1610, by Galileo Galilei</li>

<li>Size: Mean radius of about 2,634.1 kilometers</li>

<li>Atmosphere: Thin, oxygen atmosphere</li>

<li>Distance from Sun: Approximately 778.5 million kilometers</li>

<li>Distance from Earth: Varies between approximately 628.3 million kilometers and 968.3 million

kilometers</li>

<li>Other Details: Ganymede is the largest moon in the solar system.</li>

</ul>

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal32">

View More

</button>

</div>

</div>

<!-- Callisto -->

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/p1.png" alt="Callisto">

</div>

<div class="divpad">

<h1 class="hstyle">Callisto</h1>

<ul class="pstyle">

<li>Discovered: January 7, 1610, by Galileo Galilei</li>

<li>Size: Mean radius of about 2,410.3 kilometers</li>

<li>Atmosphere: Thin, carbon dioxide atmosphere</li>

<li>Distance from Sun: Approximately 778.5 million kilometers</li>

<li>Distance from Earth: Varies between approximately 628.3 million kilometers and 968.3 million

kilometers</li>

<li>Other Details: Callisto has the oldest and most cratered surface among the Galilean moons.</li>

</ul>

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal33">

View More

</button>

</div>

</div>

</div>

<!-- ... (previous code) ... -->

</section>

<!-- The Modal -->

<div class="modal" id="myModal30">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Lo</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/p4.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: January 8, 1610, by Galileo Galilei</li>

<li>Size: Mean radius of about 1,821.6 kilometers</li>

<li>Atmosphere: Thin atmosphere of sulfur dioxide</li>

<li>Distance from Sun: Approximately 778.5 million kilometers</li>

<li>Distance from Earth: Varies between approximately 628.3 million kilometers and 968.3 million

kilometers</li>

<li>Other Details: Io is the most volcanically active body in the solar system.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Europa (myModal31) -->

<div class="modal" id="myModal31">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Europa</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/p2.png" alt="Europa">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: January 8, 1610, by Galileo Galilei</li>

<li>Size: Mean radius of about 1,560.8 kilometers</li>

<li>Atmosphere: Thin, oxygen atmosphere</li>

<li>Distance from Sun: Approximately 778.5 million kilometers</li>

<li>Distance from Earth: Varies between approximately 628.3 million kilometers and 968.3 million

kilometers</li>

<li>Other Details: Europa has a subsurface ocean beneath its icy surface.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Ganymede (myModal32) -->

<div class="modal" id="myModal32">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Ganymede</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/p3.png" alt="Ganymede">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: January 7, 1610, by Galileo Galilei</li>

<li>Size: Largest moon in the solar system with a mean radius of about 2,634.1 kilometers</li>

<li>Atmosphere: Thin atmosphere comprising oxygen</li>

<li>Distance from Sun: Approximately 778.5 million kilometers</li>

<li>Distance from Earth: Varies between approximately 628.3 million kilometers and 968.3 million

kilometers</li>

<li>Other Details: Ganymede has its own magnetic field and a subsurface ocean.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Callisto (myModal33) -->

<div class="modal" id="myModal33">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Callisto</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/p1.png" alt="Callisto">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: January 7, 1610, by Galileo Galilei</li>

<li>Size: Second-largest moon of Jupiter, with a mean radius of about 2,410.3 kilometers</li>

<li>Atmosphere: Thin atmosphere composed of carbon dioxide</li>

<li>Distance from Sun: Approximately 778.5 million kilometers</li>

<li>Distance from Earth: Varies between approximately 628.3 million kilometers and 968.3 million

kilometers</li>

<li>Other Details: Callisto is heavily cratered and is believed to have a subsurface ocean.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<script>

$(document).ready(function () {

$('#menu-slider4').owlCarousel({

items: 4,

loop: true,

margin: 10,

nav: false,

dots: false,

responsive: {

0: {

items: 1

},

768: {

items: 2

},

992: {

items: 3

},

1140: {

items: 3

}

}

});

//

//ends

// Custom navigation

$('#menu-content4 .slider-prev4').click(function () {

$('#menu-slider4').trigger('prev.owl.carousel');

});

$('#menu-content4 .slider-next4').click(function () {

$('#menu-slider4').trigger('next.owl.carousel');

});

});

</script>

<div class="background-d">

<div class="astro-grid1">

<div class="astro-pri" data-aos-offset="300" data-aos="fade-up">

<h1 class="astrohead">European Southern Observatory</h1>

<h3 class="h3astro">Specification:</h3>

<p class="p-astro">

"The European Southern Observatory (ESO) is a leading international organization for astronomical

research, operating world-class telescopes in Chile's Atacama Desert. ESO facilities enable groundbreaking

discoveries and collaborations, fostering advancements in our understanding of the cosmos."</p>

<iframe class="mapastro"

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d2656.248797627467!2d11.66837977536851!3d48.259586442660655!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x479e72eebb89ba03%3A0xaf1c6e6ea1e954ad!2sEuropean%20Southern%20Observatory!5e0!3m2!1sen!2s!4v1702962547029!5m2!1sen!2s"

style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

</div>

<div class="img-astro" data-aos-offset="300" data-aos="fade-down">

<img src="./images/astro4.jpg" alt="">

</div>

</div>

</div>

<section data-aos-offset="300" data-aos="zoom-in" id="menu-caro" class="container-fluid p-0 pb-5 menu-caro">

<div id="menu-content5" class="row container">

<div class="col-6 display-4 my-5 pt-5 text-center">Moons Of Saturn</div>

<div class="col-6 display-4 my-5 pt-5 text-end">

<div class="slider-controls">

<button class="slider-prev5"><i class="fas fa-arrow-left"></i></button>

<button class="slider-next5"><i class="fas fa-arrow-right"></i></button>

</div>

</div>

</div>

<div id="menu-slider5" class="menu-slider5 owl-carousel container">

<!-- Information for Titan -->

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/c1.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Titan</h1>

<ul class="pstyle">

<li>Discovered: 1655 by Christiaan Huygens</li>

<li>Size: 5150.6 km in diameter</li>

<li>Atmosphere: Primarily nitrogen, with methane</li>

<li>Distance from Sun: 1.4 billion kilometers</li>

<li>Distance from Earth: 1.2 billion kilometers (average)</li>

<li>Other Details: Known for its thick atmosphere and hydrocarbon lakes</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal34">View

More</button>

</div>

</div>

<!-- Information for Enceladus -->

<div class="div-col">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/c2.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Enceladus</h1>

<ul class="pstyle">

<li>Discovered: 1789 by William Herschel</li>

<li>Size: 504.2 km in diameter</li>

<li>Atmosphere: Water vapor, carbon dioxide</li>

<li>Distance from Sun: 1.4 billion kilometers</li>

<li>Distance from Earth: 1.2 billion kilometers (average)</li>

<li>Other Details: Has water plumes erupting from its south polar region</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal35">View

More</button>

</div>

</div>

<!-- Information for Rhea -->

<div class="div-col">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/c3.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Rhea</h1>

<ul class="pstyle">

<li>Discovered: 1672 by Giovanni Domenico Cassini</li>

<li>Size: 1528.8 km in diameter</li>

<li>Atmosphere: Very thin, mostly oxygen and carbon dioxide</li>

<li>Distance from Sun: 1.5 billion kilometers</li>

<li>Distance from Earth: 1.2 billion kilometers (average)</li>

<li>Other Details: Second-largest moon of Saturn, surface covered in ice</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal36">View

More</button>

</div>

</div>

<!-- Information for Mimas -->

<div class="div-col">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/c4.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Mimas</h1>

<ul class="pstyle">

<li>Discovered: 1789 by William Herschel</li>

<li>Size: 396.4 km in diameter</li>

<li>Atmosphere: Thin, mostly oxygen and carbon dioxide</li>

<li>Distance from Sun: 1.4 billion kilometers</li>

<li>Distance from Earth: 1.2 billion kilometers (average)</li>

<li>Other Details: Known for its Herschel Crater which covers a large part of its surface</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal37">View

More</button>

</div>

</div>

<!-- Information for Dione -->

<div class="div-col">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/c5.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Dione</h1>

<ul class="pstyle">

<li>Discovered: 1684 by Giovanni Domenico Cassini</li>

<li>Size: 1123.4 km in diameter</li>

<li>Atmosphere: Thin, mostly oxygen and carbon dioxide</li>

<li>Distance from Sun: 1.5 billion kilometers</li>

<li>Distance from Earth: 1.2 billion kilometers (average)</li>

<li>Other Details: Has heavily cratered surface and possible subsurface ocean</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal38">View

More</button>

</div>

</div>

<!-- Information for Tethys -->

<div class="div-col">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/c6.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Tethys</h1>

<ul class="pstyle">

<li>Discovered: 1684 by Giovanni Domenico Cassini</li>

<li>Size: 1062.2 km in diameter</li>

<li>Atmosphere: Very thin, mostly oxygen and carbon dioxide</li>

<li>Distance from Sun: 1.5 billion kilometers</li>

<li>Distance from Earth: 1.2 billion kilometers (average)</li>

<li>Other Details: Contains the massive impact crater Odysseus</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal39">View

More</button>

</div>

</div>

</div>

<script>

$(document).ready(function () {

$('#menu-slider5').owlCarousel({

items: 4,

loop: true,

margin: 10,

nav: false,

dots: false,

responsive: {

0: {

items: 1

},

768: {

items: 2

},

992: {

items: 3

},

1140: {

items: 3

}

}

});

//

//ends

// Custom navigation

$('#menu-content5 .slider-prev5').click(function () {

$('#menu-slider5').trigger('prev.owl.carousel');

});

$('#menu-content5 .slider-next5').click(function () {

$('#menu-slider5').trigger('next.owl.carousel');

});

});

</script>

</section>

<!-- The Modal -->

<div class="modal" id="myModal34">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Titan</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/c1.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>When Discovered: Discovered in 1655 by Christiaan Huygens</li>

<li>Size: Second largest moon in the Solar System</li>

<li>Atmosphere: Primarily nitrogen with traces of methane</li>

<li>Distance from Sun: Approximately 1.4 billion kilometers</li>

<li>Distance from Earth: Varies due to elliptical orbit, roughly 1.2 billion kilometers</li>

<li>Other Available Details: Contains lakes and rivers of liquid methane and ethane</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal -->

<div class="modal" id="myModal35">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Enceladus</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/c2.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery Date: August 28, 1789, by William Herschel.</li>

<li>Size: Approximately 504 kilometers (313 miles) in diameter.</li>

<li>Atmosphere: Primarily composed of water vapor, carbon dioxide, and nitrogen.</li>

<li>Distance from the Sun: Orbits Saturn at an average distance of about 238,000 kilometers (148,000

miles).</li>

<li>Distance from Earth: Varies due to its orbit but roughly 1.5 billion kilometers (932 million

miles) from Earth.</li>

<li>Other Significant Details:

<ul>

<li>Geysers and Subsurface Ocean: Enceladus is known for its geysers that erupt from its south

polar region, indicating the presence of a subsurface ocean beneath its icy crust.</li>

<li>Potential for Life: The discovery of the subsurface ocean and the presence of organic

compounds in the plumes make Enceladus one of the prime targets in the search for

extraterrestrial life in our solar system.</li>

<li>Tiger Stripes: These are long fractures on the surface from which the geysers erupt,

suggesting geologic activity and a potentially habitable environment beneath the surface.</li>

</ul>

</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal -->

<div class="modal" id="myModal36">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Rhea</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/c3.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery Date: December 23, 1672, by Giovanni Domenico Cassini.</li>

<li>Size: Approximately 1,527 kilometers (949 miles) in diameter.</li>

<li>Atmosphere: Thin and primarily composed of oxygen and carbon dioxide.</li>

<li>Distance from the Sun: Orbits Saturn at an average distance of about 527,000 kilometers (327,000

miles).</li>

<li>Distance from Earth: Varies due to its orbit but roughly 1.2 billion kilometers (746 million

miles) from Earth.</li>

<li>Other Significant Details:

<ul>

<li>Surface Features: Rhea has a heavily cratered surface, but also has lighter, younger, and

less cratered regions, indicating some level of geologic activity.</li>

<li>Ring System Interaction: Rhea interacts with Saturn's rings, with evidence suggesting that

its surface has been darkened by the deposition of ring material over time.</li>

<li>Potential for Subsurface Ocean: Some observations hint at the possibility of a subsurface

liquid ocean beneath its icy crust.</li>

</ul>

</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal -->

<div class="modal" id="myModal37">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Mimas</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/c4.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery Date: September 17, 1789, by William Herschel.</li>

<li>Size: Approximately 396 kilometers (246 miles) in diameter.</li>

<li>Atmosphere: Virtually no atmosphere to speak of.</li>

<li>Distance from the Sun: Orbits Saturn at an average distance of about 185,520 kilometers (115,220

miles).</li>

<li>Distance from Earth: Varies due to its orbit but roughly 1.2 billion kilometers (746 million

miles) from Earth.</li>

<li>Other Significant Details:

<ul>

<li>Distinctive Surface Feature: Mimas is known for its large Herschel Crater, which gives it a

resemblance to the Death Star from Star Wars.</li>

<li>Impact History: Herschel Crater, about 130 kilometers (80 miles) in diameter, is the result

of a massive impact that nearly shattered the moon.</li>

<li>Surface Composition: Composed mainly of water ice with traces of rocky material.</li>

</ul>

</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal 38 -->

<div class="modal" id="myModal38">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Dione</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/c5.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery Date: March 21, 1684, by Giovanni Domenico Cassini.</li>

<li>Size: Approximately 1,123 kilometers (698 miles) in diameter.</li>

<li>Atmosphere: Thin exosphere with traces of oxygen.</li>

<li>Distance from the Sun: Orbits Saturn at an average distance of about 377,396 kilometers (234,505

miles).</li>

<li>Distance from Earth: Varies due to its orbit but roughly 1.2 billion kilometers (746 million

miles) from Earth.</li>

<li>Other Significant Details:

<ul>

<li>Surface Features: Characterized by bright, heavily cratered terrain and fractured ice

cliffs.</li>

<li>Geological Activity: Evidence of tectonic activity and geysers spewing water vapor and icy

particles into space.</li>

<li>Surface Composition: Composed mostly of water ice with a small percentage of rocky material.

</li>

</ul>

</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal 39 -->

<div class="modal" id="myModal39">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Tethys</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/c6.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery Date: March 21, 1684, by Giovanni Domenico Cassini.</li>

<li>Size: Approximately 1,060 kilometers (659 miles) in diameter.</li>

<li>Atmosphere: Extremely thin, mainly composed of oxygen.</li>

<li>Distance from the Sun: Orbits Saturn at an average distance of about 294,619 kilometers (183,093

miles).</li>

<li>Distance from Earth: Varies due to its orbit but roughly 1.2 billion kilometers (746 million

miles) from Earth.</li>

<li>Other Significant Details:

<ul>

<li>Surface Features: Shows a variety of terrains including impact craters and a massive canyon

called Ithaca Chasma.</li>

<li>Surface Composition: Primarily made up of water ice with a small amount of rocky material.

</li>

<li>Geological Activity: Shows signs of past geologic activity, likely due to internal heating.

</li>

</ul>

</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<div class="background-d">

<div class="astro-grid">

<div class="img-astro" data-aos-offset="300" data-aos="fade-up">

<img src="./images/astro-5.jpg" alt="">

</div>

<div class="astro-pri" data-aos-offset="300" data-aos="fade-down">

<h1 class="astrohead">Kitt Peak National Observatory</h1>

<h3 class="h3astro">Specification:</h3>

<p class="p-astro">"The Kitt Peak National Observatory, located in Arizona, is home to diverse telescopes

observing various wavelengths. Renowned for its research diversity, it hosts instruments exploring

optical, infrared, and radio astronomy, contributing significantly to astronomical discoveries."</p>

<iframe class="mapastro"

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d27076.981079578687!2d-111.62010428319753!3d31.9711327929371!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x86d671a99b76da93%3A0xa92aad5221dcf9de!2sKitt%20Peak%20National%20Observatory!5e0!3m2!1sen!2s!4v1702962621950!5m2!1sen!2s"

style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

</div>

</div>

</div>

<section data-aos-offset="300" data-aos="zoom-in" id="menu-caro" class="container-fluid p-0 pb-5 menu-caro">

<div id="menu-content6" class="row container">

<div class="col-6 display-4 my-5 pt-5 text-center">Moons Of Uranus</div>

<div class="col-6 display-4 my-5 pt-5 text-end">

<div class="slider-controls">

<button class="slider-prev6"><i class="fas fa-arrow-left"></i></button>

<button class="slider-next6" 1><i class="fas fa-arrow-right"></i></button>

</div>

</div>

</div>

<div id="menu-slider6" class="menu-slider6 owl-carousel container">

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/a1.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Miranda</h1>

<ul class="pstyle">

<li>When Discovered: February 16, 1948</li>

<li>Size: Estimated diameter of ~470 km</li>

<li>Atmosphere: Thin exosphere composed of water ice, carbon dioxide, and oxygen</li>

<li>Distance from the Sun: Average distance of ~129,390,000 km</li>

<li>Distance from Earth: Varies between ~4.4 million km and ~5.7 million km</li>

<!-- Additional available details can be included here -->

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal40">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/a2.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Ariel</h1>

<ul class="pstyle">

<li>When Discovered: October 24, 1851</li>

<li>Size: Estimated diameter of ~1,158 km</li>

<li>Atmosphere: Thin exosphere mainly containing carbon dioxide</li>

<li>Distance from the Sun: Average distance of ~191,020,000 km</li>

<li>Distance from Earth: Varies between ~9.1 million km and ~12.6 million km</li>

<!-- Additional available details can be included here -->

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal41">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/a3.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Umbriel</h1>

<ul class="pstyle">

<li>When Discovered: October 24, 1851</li>

<li>Size: Estimated diameter of ~1,170 km</li>

<li>Atmosphere: Thin exosphere composed mainly of carbon dioxide and some water vapor</li>

<li>Distance from the Sun: Average distance of ~266,000,000 km</li>

<li>Distance from Earth: Varies between ~20.8 million km and ~31.2 million km</li>

<!-- Additional available details can be included here -->

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal42">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/a4.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Titania</h1>

<ul class="pstyle">

<li>When Discovered: January 11, 1787</li>

<li>Size: Estimated diameter of ~1,578 km</li>

<li>Atmosphere: Thin exosphere containing traces of methane and nitrogen</li>

<li>Distance from the Sun: Average distance of ~435,910,000 km</li>

<li>Distance from Earth: Varies between ~35.9 million km and ~38.5 million km</li>

<!-- Add other available important details here -->

<!-- Include additional details -->

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal43">

View More

</button>

</div>

</div>

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/a5.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Oberon</h1>

<ul class="pstyle">

<li>When Discovered: January 11, 1787</li>

<li>Size: Estimated diameter of ~1,523 km</li>

<li>Atmosphere: Thin exosphere composed mainly of oxygen and traces of other gases</li>

<li>Distance from the Sun: Average distance of ~584,340,000 km</li>

<li>Distance from Earth: Varies between ~41.4 million km and ~43.8 million km</li>

<li>Surface Features: Includes impact craters and geological formations</li>

<li>Composition: Likely composed of water ice and rocky material</li>

<li>Orbital Period: Takes about 13.5 days to orbit Uranus</li>

<!-- Additional available details can be included here -->

<!-- Add more information -->

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal44">

View More

</button>

</div>

</div>

</div>

<script>

$(document).ready(function () {

$('#menu-slider6').owlCarousel({

items: 4,

loop: true,

margin: 10,

nav: false,

dots: false,

responsive: {

0: {

items: 1

},

768: {

items: 2

},

992: {

items: 3

},

1140: {

items: 3

}

}

});

//

//ends

// Custom navigation

$('#menu-content6 .slider-prev6').click(function () {

$('#menu-slider6').trigger('prev.owl.carousel');

});

$('#menu-content6 .slider-next6').click(function () {

$('#menu-slider6').trigger('next.owl.carousel');

});

});

</script>

</section>

<!-- The Modal -->

<div class="modal" id="myModal40">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Miranda</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/a1.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>When Discovered: February 16, 1948</li>

<li>Size: Estimated diameter of ~470 km</li>

<li>Atmosphere: Thin exosphere composed of water ice, carbon dioxide, and oxygen</li>

<li>Distance from the Sun: Average distance of ~129,390,000 km</li>

<li>Distance from Earth: Varies between ~4.4 million km and ~5.7 million km</li>

<!-- Additional available details can be included here -->

<!-- Add more information -->

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal -->

<div class="modal" id="myModal41">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Ariel</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/a2.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>When Discovered: October 24, 1851</li>

<li>Size: Estimated diameter of ~1,158 km</li>

<li>Atmosphere: Thin exosphere mainly containing carbon dioxide</li>

<li>Distance from the Sun: Average distance of ~191,020,000 km</li>

<li>Distance from Earth: Varies between ~9.1 million km and ~12.6 million km</li>

<!-- Additional available details can be included here -->

<!-- Add more information -->

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal -->

<div class="modal" id="myModal42">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Umbriel</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/a3.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>When Discovered: October 24, 1851</li>

<li>Size: Estimated diameter of ~1,170 km</li>

<li>Atmosphere: Thin exosphere composed mainly of carbon dioxide and some water vapor</li>

<li>Distance from the Sun: Average distance of ~266,000,000 km</li>

<li>Distance from Earth: Varies between ~20.8 million km and ~31.2 million km</li>

<!-- Additional available details can be included here -->

<!-- Add more information -->

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal -->

<div class="modal" id="myModal43">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Titania</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/a4.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>When Discovered: January 11, 1787</li>

<li>Size: Estimated diameter of ~1,578 km</li>

<li>Atmosphere: Thin exosphere containing traces of methane and nitrogen</li>

<li>Distance from the Sun: Average distance of ~435,910,000 km</li>

<li>Distance from Earth: Varies between ~35.9 million km and ~38.5 million km</li>

<!-- Additional available details can be included here -->

<!-- Add more information -->

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal -->

<div class="modal" id="myModal44">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Oberon</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/a5.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>When Discovered: January 11, 1787</li>

<li>Size: Estimated diameter of ~1,523 km</li>

<li>Atmosphere: Thin exosphere composed mainly of oxygen and traces of other gases</li>

<li>Distance from the Sun: Average distance of ~584,340,000 km</li>

<li>Distance from Earth: Varies between ~41.4 million km and ~43.8 million km</li>

<li>Surface Features: Includes impact craters and geological formations</li>

<li>Composition: Likely composed of water ice and rocky material</li>

<li>Orbital Period: Takes about 13.5 days to orbit Uranus</li>

<!-- Additional available details can be included here -->

<!-- Add more information -->

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<div class="background-d">

<div class="astro-grid1">

<div class="astro-pri" data-aos-offset="300" data-aos="fade-up">

<h1 class="astrohead">Mount Wilson Observatory</h1>

<h3 class="h3astro">Specification:</h3>

<p class="p-astro">"The Mount Wilson Observatory, perched atop California's Mount Wilson, houses

historically significant telescopes like the 100-inch Hooker Telescope. Known for pivotal discoveries,

including confirming the universe's expansion, it remains a key site for astronomical research and

heritage."</p>

<iframe class="mapastro"

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3298.9109884723407!2d-118.05987152550668!3d34.2252911085753!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x80c2dd9b23b6b8ad%3A0xc1b07c9a2e81b477!2sMount%20Wilson%20Observatory!5e0!3m2!1sen!2s!4v1702962675589!5m2!1sen!2s"

style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

</div>

<div class="img-astro" data-aos-offset="300" data-aos="fade-down">

<img src="./images/astro-6.jpg" alt="">

</div>

</div>

</div>

<section data-aos-offset="300" data-aos="zoom-in" id="menu-caro" class="container-fluid p-0 pb-5 menu-caro">

<div id="menu-content7" class="row container">

<div class="col-6 display-4 my-5 pt-5 text-center">Moons Of Neptune</div>

<div class="col-6 display-4 my-5 pt-5 text-end">

<div class="slider-controls">

<button class="slider-prev7"><i class="fas fa-arrow-left"></i></button>

<button class="slider-next7" 1><i class="fas fa-arrow-right"></i></button>

</div>

</div>

</div>

<div id="menu-slider7" class="menu-slider7 owl-carousel container">

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/q1.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Triton</h1>

<ul class="pstyle">

<li>Discovered: October 10, 1846</li>

<li>Size:Estimated diameter of ~2,700 km</li>

<li>Atmosphere: Thin nitrogen-based atmosphere with traces of methane</li>

<li>Distance from the Sun: ~4.5 billion km</li>

<li>Distance from Neptune:Orbits at a distance of ~354,760 km from Neptune</li>

<!-- Add any other available important details -->

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal100">

View More

</button>

</div>

</div>

<!-- Proteus -->

<div class="div-col">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/q2.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Proteus</h1>

<ul class="pstyle">

<li>Discovered: July 7, 1989</li>

<li>Size: Estimated diameter of ~420 km</li>

<li>Atmosphere: No significant atmosphere detected</li>

<li>Distance from the Sun: ~4.5 billion km</li>

<li>Distance from Neptune: Orbits at a distance of ~117,647 km from Neptune</li>

<!-- Add any other available important details -->

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal45">

View More

</button>

</div>

</div>

<!-- Nereid -->

<div class="div-col">

<div class="mat">

<img class="plat3" style="border-radius: 50%;" src="./images/q3.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Nereid</h1>

<ul class="pstyle">

<li>Discovered: May 1, 1949</li>

<li>Size: Estimated diameter of ~340 km</li>

<li>Atmosphere: No significant atmosphere detected</li>

<li>Distance from the Sun: ~4.5 billion km</li>

<li>Distance from Neptune: Orbits at a distance of ~5,513,818 km from Neptune</li>

<!-- Add any other available important details -->

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal47">

View More

</button>

</div>

</div>

</div>

<script>

$(document).ready(function () {

$('#menu-slider7').owlCarousel({

items: 4,

loop: true,

margin: 10,

nav: false,

dots: false,

responsive: {

0: {

items: 1

},

768: {

items: 2

},

992: {

items: 3

},

1140: {

items: 3

}

}

});

//

//ends

// Custom navigation

$('#menu-content7 .slider-prev7').click(function () {

$('#menu-slider7').trigger('prev.owl.carousel');

});

$('#menu-content7 .slider-next7').click(function () {

$('#menu-slider7').trigger('next.owl.carousel');

});

});

</script>

</section>

<!-- Modal for Triton -->

<div class="modal" id="myModal100">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Triton</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/q1.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul class="pstyle">

<li>Discovered: October 10, 1846</li>

<li>Size: Estimated diameter of ~2,700 km</li>

<li>Atmosphere: Thin nitrogen-based atmosphere with traces of methane</li>

<li>Distance from the Sun: ~4.5 billion km</li>

<li>Distance from Neptune: Orbits at a distance of ~354,760 km from Neptune</li>

<!-- Add any other available important details -->

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for Proteus (myModal45) -->

<div class="modal" id="myModal45">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Proteus</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/q2.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul class="pstyle">

<li>Discovered: July 7, 1989</li>

<li>Size: Estimated diameter of ~420 km</li>

<li>Atmosphere: No significant atmosphere detected</li>

<li>Distance from the Sun: ~4.5 billion km</li>

<li>Distance from Neptune: Orbits at a distance of ~117,647 km from Neptune</li>

<!-- Add any other available important details -->

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for Nereid (myModal47) -->

<div class="modal" id="myModal47">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Nereid</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/q3.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul class="pstyle">

<li>Discovered: May 1, 1949</li>

<li>Size: Estimated diameter of ~340 km</li>

<li>Atmosphere: No significant atmosphere detected</li>

<li>Distance from the Sun: ~4.5 billion km</li>

<li>Distance from Neptune: Orbits at a distance of ~5,513,818 km from Neptune</li>

<!-- Add any other available important details -->

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<div class="background-d">

<div class="astro-grid">

<div data-aos-offset="300" class="img-astro" data-aos="fade-up">

<img src="./images/astro7.jpg" alt="">

</div>

<div class="astro-pri" data-aos-offset="300" data-aos="fade-down">

<h1 class="astrohead">Green Bank Observatory</h1>

<h3 class="h3astro">Specification:</h3>

<p class="p-astro">"The Green Bank Observatory, situated in West Virginia, operates the world's largest

fully steerable radio telescope. Notable for its radio astronomy research, it explores the cosmos' radio

frequencies, contributing to scientific breakthroughs and space exploration."</p>

<iframe class="mapastro"

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d12501.600818439645!2d-79.83973450650531!3d38.43222400808732!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x884b692c0c8a247d%3A0x855653452277e83e!2sGreen%20Bank%20Observatory!5e0!3m2!1sen!2s!4v1702962727235!5m2!1sen!2s"

style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

</div>

</div>

</div>

<section data-aos-offset="300" data-aos="zoom-in" id="menu-caro" class="container-fluid p-0 pb-5 menu-caro">

<div id="menu-content8" class="row container">

<div class="col-6 display-4 my-5 pt-5 text-center">Moons Of Pluto</div>

<div class="col-6 display-4 my-5 pt-5 text-end">

<div class="slider-controls">

<button class="slider-prev8"><i class="fas fa-arrow-left"></i></button>

<button class="slider-next8" 1><i class="fas fa-arrow-right"></i></button>

</div>

</div>

</div>

<div id="menu-slider8" class="menu-slider8 owl-carousel container">

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/w1.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Charon</h1>

<ul class="pstyle">

<li>Discovered: June 22, 1978</li>

<li>Size: Diameter of about 1,214 kilometers (754 miles)</li>

<li>Atmosphere: No significant atmosphere</li>

<li>Distance from the Sun: Varies between about 4.5 to 7.3 billion kilometers (2.8 to 4.5 billion miles)

</li>

<li>Distance from Earth: Varies between about 4.5 to 7.3 billion kilometers (2.8 to 4.5 billion miles)

</li>

<li>Other Details: Charon is the largest moon of Pluto and is tidally locked, always presenting the same

face towards Pluto.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal49">

View More

</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat3" style="border-radius: 50%;" src="./images/w2.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Nix</h1>

<ul class="pstyle">

<li>Discovered: May 15, 2005</li>

<li>Size: Diameter of about 49 kilometers (30 miles)</li>

<li>Atmosphere: No significant atmosphere</li>

<li>Distance from the Sun: Varies between about 4.4 to 7.3 billion kilometers (2.8 to 4.5 billion miles)

</li>

<li>Distance from Earth: Varies between about 4.4 to 7.3 billion kilometers (2.8 to 4.5 billion miles)

</li>

<li>Other Details: Nix is one of the smaller moons of Pluto and orbits within the larger system of

Pluto's moons.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal50">

View More

</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat3" style="border-radius: 50%;" src="./images/w3.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Hydra</h1>

<ul class="pstyle">

<li>Discovered: June 15, 2005</li>

<li>Size: Approximately 55 kilometers (34 miles) in diameter</li>

<li>Atmosphere: No significant atmosphere</li>

<li>Distance from the Sun: Varies between about 4.4 to 7.3 billion kilometers (2.8 to 4.5 billion miles)

</li>

<li>Distance from Earth: Varies between about 4.4 to 7.3 billion kilometers (2.8 to 4.5 billion miles)

</li>

<li>Other Details: Hydra is one of the smaller moons of Pluto and is part of the complex system of

Pluto's moons.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal51">

View More

</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat3" style="border-radius: 50%;" src="./images/w4.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Kerberos</h1>

<ul class="pstyle">

<li>Discovered: July 20, 2011</li>

<li>Size: Estimated diameter of approximately 19 kilometers (12 miles)</li>

<li>Atmosphere: Not applicable; no significant atmosphere</li>

<li>Distance from the Sun: Varies between about 4.4 to 7.3 billion kilometers (2.8 to 4.5 billion miles)

</li>

<li>Distance from Earth: Varies between about 4.4 to 7.3 billion kilometers (2.8 to 4.5 billion miles)

</li>

<li>Other Details: Kerberos is one of the smaller moons of Pluto and was discovered by the Hubble Space

Telescope in 2011.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal52">

View More

</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/w5.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Styz</h1>

<ul class="pstyle">

<li>When Discovered: July 7, 2012</li>

<li>Size: Estimated diameter around 16 kilometers</li>

<li>Atmosphere: Very thin or none</li>

<li>Distance from Sun: Approximately 39.5 astronomical units (AU)</li>

<li>Distance from Pluto: Varies between 42,600 and 44,860 kilometers</li>

<li>Other Important Details: Styx is the smallest known moon of Pluto and has an irregular shape.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal53">

View More

</button>

</div>

</div>

</div>

<script>

$(document).ready(function () {

$('#menu-slider8').owlCarousel({

items: 4,

loop: true,

margin: 10,

nav: false,

dots: false,

responsive: {

0: {

items: 1

},

768: {

items: 2

},

992: {

items: 3

},

1140: {

items: 3

}

}

});

//

//ends

// Custom navigation

$('#menu-content8 .slider-prev8').click(function () {

$('#menu-slider8').trigger('prev.owl.carousel');

});

$('#menu-content8 .slider-next8').click(function () {

$('#menu-slider8').trigger('next.owl.carousel');

});

});

</script>

</section>

<!-- The Modal for Charon -->

<div class="modal" id="myModal49">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Charon</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/w1.png" alt="Charon Image">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>When Discovered: June 22, 1978</li>

<li>Size: Diameter approximately 1,212 kilometers</li>

<li>Atmosphere: Thin nitrogen atmosphere</li>

<li>Distance from Sun: Approximately 39.5 astronomical units (AU)</li>

<li>Distance from Pluto: About 19,570 kilometers</li>

<li>Other Important Details: Charon is the largest moon of Pluto and is tidally locked with Pluto,

always showing the same face to the planet.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Nix -->

<div class="modal" id="myModal50">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Nix</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/w2.png" alt="Nix Image">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>When Discovered: June 15, 2005</li>

<li>Size: Diameter approximately 49.8 kilometers</li>

<li>Atmosphere: Very thin or none</li>

<li>Distance from Sun: Approximately 39.5 astronomical units (AU)</li>

<li>Distance from Pluto: Varies between 15,290 and 27,670 kilometers</li>

<li>Other Important Details: Nix is one of the smallest known moons in the solar system.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Hydra -->

<div class="modal" id="myModal51">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Hydra</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/w3.png" alt="Hydra Image">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>When Discovered: June 15, 2005</li>

<li>Size: Diameter approximately 43.3 kilometers</li>

<li>Atmosphere: Very thin or none</li>

<li>Distance from Sun: Approximately 39.5 astronomical units (AU)</li>

<li>Distance from Pluto: Varies between 64,720 and 65,310 kilometers</li>

<li>Other Important Details: Hydra is one of the smallest known moons in the solar system.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Kerberos -->

<div class="modal" id="myModal52">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Kerberos</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/w4.png" alt="Kerberos Image">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>When Discovered: July 20, 2011</li>

<li>Size: Diameter approximately 19 kilometers</li>

<li>Atmosphere: Very thin or none</li>

<li>Distance from Sun: Approximately 39.7 astronomical units (AU)</li>

<li>Distance from Pluto: Varies between 57,780 and 59,960 kilometers</li>

<li>Other Important Details: Kerberos has an irregular shape and may have a double-lobed structure.

</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Styx -->

<div class="modal" id="myModal53">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Styx</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/w5.png" alt="Styx Image">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>When Discovered: July 7, 2012</li>

<li>Size: Estimated diameter around 16 kilometers</li>

<li>Atmosphere: Very thin or none</li>

<li>Distance from Sun: Approximately 39.5 astronomical units (AU)</li>

<li>Distance from Pluto: Varies between 42,600 and 44,860 kilometers</li>

<li>Other Important Details: Styx is the smallest known moon of Pluto and has an irregular shape.

</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<div class="background-d">

<div class="astro-grid1">

<div class="astro-pri" data-aos-offset="300" data-aos="fade-up">

<h1 class="astrohead">Siding Spring Observatory</h1>

<h3 class="h3astro">Specification:</h3>

<p class="p-astro">"Siding Spring Observatory, located in Australia, boasts dark skies ideal for

astronomical observations. Home to numerous telescopes, it contributes significantly to research,

especially in studying comets, asteroids, and celestial objects."</p>

<iframe class="mapastro"

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3410.0417379121504!2d149.06588387459504!3d-31.274940689425975!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x6b08fe7848db3cc7%3A0xc61e9b104c16b0a9!2sSiding%20Spring%20Observatory!5e0!3m2!1sen!2s!4v1702962804660!5m2!1sen!2s"

style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

</div>

<div data-aos-offset="300" class="img-astro" data-aos="fade-down">

<img src="./images/astro-8.jpg" alt="">

</div>

</div>

</div>

<section data-aos-offset="300" data-aos="zoom-in" id="Asteroids" class="container-fluid p-0 pb-5 menu-caro">

<div id="menu-content12" class="row container">

<div class="col-6 display-4 my-5 pt-5 text-center">Asteroids</div>

<div class="col-6 display-4 my-5 pt-5 text-end">

<div class="slider-controls">

<button class="slider-prev12"><i class="fas fa-arrow-left"></i></button>

<button class="slider-next12" 1><i class="fas fa-arrow-right"></i></button>

</div>

</div>

</div>

<div id="menu-slider12" class="menu-slider12 owl-carousel container">

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/r1.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Ceres</h1>

<ul class="pstyle">

<li>Discovered: January 1, 1801</li>

<li>Size: Diameter of 945 km (587 mi)</li>

<li>Atmosphere: None</li>

<li>Distance from the Sun: 2.77 AU (413 million km / 257 million mi)</li>

<li>Distance from Earth: Varies from 381 million km to 654 million km</li>

<li>Other Details: Largest object in the asteroid belt, classified as a dwarf planet</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal71">View

More</button>

</div>

</div>

<!-- Vesta -->

<div class="div-col">

<div class="mat">

<img class="plat3" style="border-radius: 50%;" src="./images/r2.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Vesta</h1>

<ul class="pstyle">

<li>Discovered: March 29, 1807</li>

<li>Size: Diameter of 525.4 km (326.1 mi)</li>

<li>Atmosphere: None</li>

<li>Distance from the Sun: 2.36 AU (353 million km / 219 million mi)</li>

<li>Distance from Earth: Varies from 200 million km to 382 million km</li>

<li>Other Details: Second-largest object in the asteroid belt, visited by NASA's Dawn spacecraft</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal72">View

More</button>

</div>

</div>

<!-- Eros -->

<div class="div-col items">

<div class="mat">

<img class="plat" style="border-radius: 50%;" src="./images/r1.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Eros</h1>

<ul class="pstyle">

<li>Discovered: August 13, 1898</li>

<li>Size: 34.4 km (21.4 mi)</li>

<li>Atmosphere: None</li>

<li>Distance from the Sun: 1.46 AU (218 million km / 135 million mi)</li>

<li>Distance from Earth: 22 million km to over 300 million km (varies)</li>

<li>Other Details: S-type asteroid, visited by the NEAR Shoemaker spacecraft in 2000</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal73">View

More</button>

</div>

</div>

<!-- Gaspra -->

<div class="div-col">

<div class="mat">

<img class="plat3" style="border-radius: 50%;" src="./images/r4.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Gaspra</h1>

<ul class="pstyle">

<li>Discovered: July 30, 1916</li>

<li>Size: 18.2 × 10.5 × 8.9 km (11.3 × 6.5 × 5.5 mi)</li>

<li>Atmosphere: None</li>

<li>Distance from the Sun: 2.21 AU (331 million km / 206 million mi)</li>

<li>Distance from Earth: 150 million km to over 400 million km (varies)</li>

<li>Other Details: S-type asteroid, closely observed by the Galileo spacecraft in 1991</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal74">View

More</button>

</div>

</div>

<!-- Ida -->

<div class="div-col">

<div class="mat">

<img class="plat3" style="border-radius: 50%;" src="./images/r5.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Ida</h1>

<ul class="pstyle">

<li>Discovered: September 29, 1884</li>

<li>Size: Diameter of 31.4 km (19.5 mi)</li>

<li>Atmosphere: None</li>

<li>Distance from the Sun: Varies (Average distance 2.862 AU)</li>

<li>Distance from Earth: Varies (Average distance 413.5 million km / 257 mi)</li>

<li>Other Details: First asteroid discovered to have a moon, named Dactyl</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal75">View

More</button>

</div>

</div>

<!-- Itokawa -->

<div class="div-col">

<div class="mat">

<img class="plat3" style="border-radius: 50%;" src="./images/r6.png" alt="">

</div>

<div class="divpad">

<h1 class="hstyle">Itokawa</h1>

<ul class="pstyle">

<li>Discovered: September 26, 1998</li>

<li>Size: Dimensions of approximately 540 × 270 × 210 meters</li>

<li>Atmosphere: None</li>

<li>Distance from the Sun: 1.327 AU (198.5 million km / 123.4 million mi)</li>

<li>Distance from Earth: Varies (Average distance 302 million km / 188 mi)</li>

<li>Other Details: Visited by Japan's Hayabusa spacecraft, returned samples to Earth</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal76">View

More</button>

</div>

</div>

</div>

<script>

$(document).ready(function () {

$('#menu-slider12').owlCarousel({

items: 4,

loop: true,

margin: 10,

nav: false,

dots: false,

responsive: {

0: {

items: 1

},

768: {

items: 2

},

992: {

items: 3

},

1140: {

items: 3

}

}

});

//

//ends

// Custom navigation

$('#menu-content12 .slider-pre12').click(function () {

$('#menu-slider12').trigger('prev.owl.carousel');

});

$('#menu-content12 .slider-next12').click(function () {

$('#menu-slider12').trigger('next.owl.carousel');

});

});

</script>

</section>

<!-- The Modal for Ceres (myModal71) -->

<div class="modal" id="myModal71">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Ceres</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/r1.png" alt="">

</div>

<div class="htrig">

<h1>Specifications</h1>

<ul>

<li>Discovered: January 1, 1801</li>

<li>Size: Diameter of 940 km (584 mi)</li>

<li>Atmosphere: Thin atmosphere (mainly water vapor)</li>

<li>Distance from the Sun: 2.767 AU (414.9 million km / 257.8 million mi)</li>

<li>Distance from Earth: Varies (Average distance 414 million km / 257 mi)</li>

<li>Other Details: Classified as a dwarf planet, the largest object in the asteroid belt</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Vesta (myModal72) -->

<div class="modal" id="myModal72">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Vesta</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/r2.png" alt="">

</div>

<div class="htrig">

<h1>Specifications</h1>

<ul>

<li>Discovered: March 29, 1807</li>

<li>Size: Diameter of 525 km (326 mi)</li>

<li>Atmosphere: None</li>

<li>Distance from the Sun: 2.361 AU (353.8 million km / 219.9 million mi)</li>

<li>Distance from Earth: Varies (Average distance 353 million km / 219 mi)</li>

<li>Other Details: Second-most massive object in the asteroid belt, observed by NASA's Dawn

spacecraft</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for Eros -->

<div class="modal" id="myModal73">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Eros</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/r3.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: August 13, 1898</li>

<li>Size: Approximately 34.4 x 11.2 x 11.2 kilometers</li>

<li>Atmosphere: Airless body</li>

<li>Distance from Sun: Perihelion - about 1.13 AU, Aphelion - approximately 1.78 AU</li>

<li>Distance from Earth: Varies between 0.14 AU to 2.71 AU</li>

<li>Other Details: Near-Earth asteroid, explored by NEAR Shoemaker spacecraft in 2000</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for Gaspra -->

<div class="modal" id="myModal74">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Gaspra</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/r4.png" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: July 30, 1916</li>

<li>Size: Approximately 18.2 x 10.5 x 8.9 kilometers</li>

<li>Atmosphere: Airless body</li>

<li>Distance from Sun: Varies between approximately 2.2 and 3.2 AU</li>

<li>Distance from Earth: Varies between 1.8 AU to 3.8 AU</li>

<li>Other Details: Stony S-type asteroid, closely approached by Galileo spacecraft in 1991</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Ida (myModal75) -->

<div class="modal" id="myModal75">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Ida</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/r5.png" alt="">

</div>

<div class="htrig">

<h1>Specifications</h1>

<ul>

<li>Discovered: September 29, 1884</li>

<li>Size: Diameter of 31.4 km (19.5 mi)</li>

<li>Atmosphere: None</li>

<li>Distance from the Sun: Varies (Average distance 2.862 AU)</li>

<li>Distance from Earth: Varies (Average distance 413.5 million km / 257 mi)</li>

<li>Other Details: First asteroid discovered to have a moon, named Dactyl</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Itokawa (myModal76) -->

<div class="modal" id="myModal76">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Itokawa</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body">

<div class="inner-grid">

<div>

<img class="imginner" src="./images/r6.png" alt="">

</div>

<div class="htrig">

<h1>Specifications</h1>

<ul>

<li>Discovered: September 26, 1998</li>

<li>Size: Dimensions of approximately 540 × 270 × 210 meters</li>

<li>Atmosphere: None</li>

<li>Distance from the Sun: 1.327 AU (198.5 million km / 123.4 million mi)</li>

<li>Distance from Earth: Varies (Average distance 302 million km / 188 mi)</li>

<li>Other Details: Visited by Japan's Hayabusa spacecraft, returned samples to Earth</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<div class="background-d">

<div class="astro-grid">

<div class="img-astro" data-aos-offset="300" data-aos="fade-up">

<img src="./images/astro9.jpg" alt="">

</div>

<div class="astro-pri" data-aos-offset="300" data-aos="fade-down">

<h1 class="astrohead">Atacama Large Millimeter</h1>

<h3 class="h3astro">Specification:</h3>

<p class="p-astro">"The Atacama Large Millimeter/submillimeter Array (ALMA) is an astronomical

interferometer located in Chile's Atacama Desert. Comprising numerous antennas, ALMA observes millimeter

and submillimeter wavelengths, enabling unprecedented insights into cosmic phenomena, including star

formation and the early universe."</p>

<iframe class="mapastro"

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3672.009340972856!2d-67.75640842581075!3d-23.02342924204794!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x96a9c7796689b38f%3A0x166b24c7c79757b2!2sAtacama%20Large%20Millimeter%20Array%20-%20ALMA%20Radio%20Telescope!5e0!3m2!1sen!2s!4v1702962866587!5m2!1sen!2s"

style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

</div>

</div>

</div>

<section data-aos-offset="300" data-aos="zoom-in" id="blackhole" class="container-fluid p-0 pb-5 menu-caro">

<div id="menu-content9" class="row container">

<div class="col-6 display-4 my-5 pt-5 text-center">Black Holes</div>

<div class="col-6 display-4 my-5 pt-5 text-end">

<div class="slider-controls">

<button class="slider-prev9"><i class="fas fa-arrow-left"></i></button>

<button class="slider-next9" 1><i class="fas fa-arrow-right"></i></button>

</div>

</div>

</div>

<div id="menu-slider9" class="menu-slider9 owl-carousel container">

<!-- Cygnus X-1 -->

<div class="div-col items">

<div class="mat">

<img class="plat net" style="border-radius: 26%;" src="./images/b1.jpg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Cygnus X-1</h1>

<ul class="pstyle">

<li>Discovered: 1964</li>

<li>Size: Stellar-mass black hole, about 15 times the mass of the Sun</li>

<li>Atmosphere: None (Black hole)</li>

<li>Distance: Approximately 6,070 light-years from Earth</li>

<li>Other Details: In a binary system with a massive blue supergiant star</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal56">

View More

</button>

</div>

</div>

<!-- Sagittarius A\* -->

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/b2.jpg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Sagittarius A\*</h1>

<ul class="pstyle">

<li>Discovered: Early 1970s</li>

<li>Size: Supermassive black hole, mass equivalent to about 4 million Suns</li>

<li>Atmosphere: None (Black hole)</li>

<li>Distance: Located around 26,000 light-years from Earth, at the center of the Milky Way</li>

<li>Other Details: Relatively quiet compared to other active galactic nuclei</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal57">

View More

</button>

</div>

</div>

<!-- V404 Cygni -->

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/b3.jpg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">V404 Cygni</h1>

<ul class="pstyle">

<li>Discovered: 1989</li>

<li>Size: Stellar-mass black hole, approximately 9 times the mass of the Sun</li>

<li>Atmosphere: None (Black hole)</li>

<li>Distance: Around 7,800 light-years away from Earth</li>

<li>Other Details: Exhibits erratic outbursts and X-ray emissions due to its binary system nature</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal58">

View More

</button>

</div>

</div>

<!-- GRO J1655-40 -->

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/b4.jpg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">GRO J1655-40</h1>

<ul class="pstyle">

<li>Discovered: 1994</li>

<li>Size: Stellar-mass black hole, about 6.3 times the mass of the Sun</li>

<li>Atmosphere: None (Black hole)</li>

<li>Distance: Approximately 10,000 light-years away from Earth</li>

<li>Other Details: First stellar-mass black hole found in our Milky Way galaxy</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal59">

View More

</button>

</div>

</div>

</div>

<script>

$(document).ready(function () {

$('#menu-slider9').owlCarousel({

items: 4,

loop: true,

margin: 10,

nav: false,

dots: false,

responsive: {

0: {

items: 1

},

768: {

items: 2

},

992: {

items: 3

},

1140: {

items: 3

}

}

});

//

//ends

// Custom navigation

$('#menu-content9 .slider-prev9').click(function () {

$('#menu-slider9').trigger('prev.owl.carousel');

});

$('#menu-content9 .slider-next9').click(function () {

$('#menu-slider9').trigger('next.owl.carousel');

});

});

</script>

</section>

<!-- Modal for Cygnus X-1 -->

<div class="modal" id="myModal56">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Cygnus X-1</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/b1.jpg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: 1964</li>

<li>Size: Stellar-mass black hole, around 15 times the mass of the Sun</li>

<li>Atmosphere: None (Black hole)</li>

<li>Distance: Approximately 6,070 light-years away from Earth</li>

<li>Other Details: One of the first confirmed black holes discovered</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for Sagittarius A -->

<div class="modal" id="myModal57">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Sagittarius A</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/b2.jpg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: Continuous observations, confirmed as a black hole in the 2000s</li>

<li>Size: Supermassive black hole, estimated millions of times the mass of the Sun</li>

<li>Atmosphere: None (Black hole)</li>

<li>Distance: Located at the center of the Milky Way galaxy, about 26,000 light-years away from

Earth</li>

<li>Other Details: Believed to be the location of a supermassive black hole at the center of our

galaxy</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for V404 Cygni -->

<div class="modal" id="myModal58">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">V404 Cygni</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/b3.jpg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: 1989</li>

<li>Size: Stellar-mass black hole, approximately 9 times the mass of the Sun</li>

<li>Atmosphere: None (Black hole)</li>

<li>Distance: Around 7,800 light-years away from Earth</li>

<li>Other Details: Exhibits erratic outbursts and X-ray emissions due to its binary system nature

</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for GRO J1655-40 -->

<div class="modal" id="myModal59">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">GRO J1655-40</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/b4.jpg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovered: 1994</li>

<li>Size: Stellar-mass black hole, about 6.3 times the mass of the Sun</li>

<li>Atmosphere: None (Black hole)</li>

<li>Distance: Approximately 10,000 light-years away from Earth</li>

<li>Other Details: First stellar-mass black hole found in our Milky Way galaxy</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<div class="background-d">

<div class="astro-grid1">

<div class="astro-pri" data-aos-offset="300" data-aos="fade-up">

<h1 class="astrohead">Jodrell Bank Observatory</h1>

<h3 class="h3astro">Specification:</h3>

<p class="p-astro">"Jodrell Bank Observatory, located in the UK, houses the iconic Lovell Telescope.

Renowned for radio astronomy, it's a pioneer in space exploration and remains a hub for astrophysical

research and the study of cosmic phenomena."</p>

<iframe class="mapastro"

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d2387.646073351409!2d-2.3092737242604615!3d53.242120482518025!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x487a50fc0f5723ed%3A0xa1d78d08f23bd37c!2sJodrell%20Bank!5e0!3m2!1sen!2s!4v1702962920590!5m2!1sen!2s"

style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

</div>

<div class="img-astro" data-aos-offset="300" data-aos="fade-down">

<img src="./images/astro-10.jpg" alt="">

</div>

</div>

</div>

<section data-aos-offset="300" data-aos="zoom-in" id="Neutronstar" class="container-fluid p-0 pb-5 menu-caro">

<div id="menu-content10" class="row container">

<div class="col-6 display-4 my-5 pt-5 text-center">Neutron Stars</div>

<div class="col-6 display-4 my-5 pt-5 text-end">

<div class="slider-controls">

<button class="slider-prev10"><i class="fas fa-arrow-left"></i></button>

<button class="slider-next10" 1><i class="fas fa-arrow-right"></i></button>

</div>

</div>

</div>

<div id="menu-slider10" class="menu-slider10 owl-carousel container">

<!-- PSR J0348+0432 -->

<div class="div-col items">

<div class="mat">

<img class="plat net" style="border-radius: 26%;" src="./images/neutron pulsa.jpeg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">PSR J0348+0432</h1>

<ul class="pstyle">

<li>Discovery: Discovered in 2011</li>

<li>Size: Around 10 kilometers in radius</li>

<li>Atmosphere: Mainly composed of neutrons and exotic particles</li>

<li>Distance from Sun and Earth: Varies based on its location in the galaxy</li>

<li>Other Details: Extremely high mass and rotation speed</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal60">View

More</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/PSR B1919+21 (LGM-1) star.jpg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">PSR B1919+21</h1>

<ul class="pstyle">

<li>Discovery: First discovered in 1967.</li>

<li>Size: Typical neutron star size, compact with immense density.</li>

<li>Atmosphere: Virtually no atmosphere, primarily composed of neutrons and exotic particles.</li>

<li>Distance from Sun and Earth: Around 21,000 light-years from the Solar System.</li>

<li>Other Details: This was the first discovered pulsar and provided evidence for the existence of

neutron stars.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal61">

View More

</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/PSR J1614-2230.jpg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">PSR J1614-2230</h1>

<ul class="pstyle">

<li>Discovery: Discovered in 2010.</li>

<li>Size: Typical for a neutron star, incredibly dense.</li>

<li>Atmosphere: Extremely thin or negligible atmosphere, composed mainly of neutrons.</li>

<li>Distance from Sun and Earth: Variable distance in the galaxy.</li>

<li>Other Details: Known for having one of the most massive neutron stars discovered, with a mass

approximately twice that of the Sun.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal62">

View More

</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/PSR B1509-58 (The Hand of God).jpeg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">PSR B1509-58</h1>

<ul class="pstyle">

<li>Discovery: Discovered in 1979.</li>

<li>Size: Typical neutron star size, incredibly compact.</li>

<li>Atmosphere: Thin or absent atmosphere, mostly composed of neutrons.</li>

<li>Distance from Sun and Earth: Approximately 17,000 light-years from Earth.</li>

<li>Other Details: Named "The Hand of God" due to its appearance in X-ray images resembling a hand,

caused by energetic particles and magnetic fields.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal63">

View More

</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/Vela Pulsar (PSR B0833-45).jpg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">PSR B0833-45</h1>

<ul class="pstyle">

<li>Discovery: Discovered in 1968.</li>

<li>Size: Standard neutron star size, highly dense.</li>

<li>Atmosphere: Minimal or absent atmosphere, primarily composed of neutrons.</li>

<li>Distance from Sun and Earth: Located about 1,000 light-years from Earth.</li>

<li>Other Details: One of the brightest and most studied pulsars, part of the Vela supernova remnant.

</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal64">

View More

</button>

</div>

</div>

</div>

<script>

$(document).ready(function () {

$('#menu-slider10').owlCarousel({

items: 4,

loop: true,

margin: 10,

nav: false,

dots: false,

responsive: {

0: {

items: 1

},

768: {

items: 2

},

992: {

items: 3

},

1140: {

items: 3

}

}

});

//

//ends

// Custom navigation

$('#menu-content10 .slider-prev10').click(function () {

$('#menu-slider10').trigger('prev.owl.carousel');

});

$('#menu-content10 .slider-next10').click(function () {

$('#menu-slider10').trigger('next.owl.carousel');

});

});

</script>

</section>

<!-- Modal for PSR J0348+0432 -->

<div class="modal" id="myModal60">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">PSR J0348+0432</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/neutron pulsa.jpeg" alt="">

</div>

<div class="htrig">

<h1>Specifications</h1>

<ul>

<li>Discovery: First discovered in 2011.</li>

<li>Size: Typical for a neutron star, incredibly dense.</li>

<li>Atmosphere: Virtually no atmosphere, mainly composed of neutrons and exotic particles.</li>

<li>Distance from Sun and Earth: Approximately 4,200 light-years away from Earth.</li>

<li>Other Details: Known for having the most massive neutron star measured.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for PSR B1919+21 (LGM-1) -->

<div class="modal" id="myModal61">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">PSR B1919+21</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/PSR B1919+21 (LGM-1) star.jpg" alt="">

</div>

<div class="htrig">

<h1>Specifications</h1>

<ul>

<li>Discovery: First discovered in 1967.</li>

<li>Size: Typical neutron star size, compact with immense density.</li>

<li>Atmosphere: Virtually no atmosphere, primarily composed of neutrons and exotic particles.</li>

<li>Distance from Sun and Earth: Around 21,000 light-years from the Solar System.</li>

<li>Other Details: First discovered pulsar providing evidence for neutron stars.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for PSR J1614-2230 -->

<div class="modal" id="myModal62">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">PSR J1614-2230</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/PSR J1614-2230.jpg" alt="">

</div>

<div class="htrig">

<h1>Specifications</h1>

<ul>

<li>Discovery: Discovered in 2010.</li>

<li>Size: Typical for a neutron star, incredibly dense.</li>

<li>Atmosphere: Extremely thin or negligible atmosphere, composed mainly of neutrons.</li>

<li>Distance from Sun and Earth: Variable distance in the galaxy.</li>

<li>Other Details: Known for having one of the most massive neutron stars discovered.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for PSR B1509-58 -->

<div class="modal" id="myModal63">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">PSR B1509-58</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/PSR B1509-58 (The Hand of God).jpeg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery: Discovered in 1979.</li>

<li>Size: Typical neutron star size, incredibly compact.</li>

<li>Atmosphere: Thin or absent atmosphere, mostly composed of neutrons.</li>

<li>Distance from Sun and Earth: Approximately 17,000 light-years from Earth.</li>

<li>Other Details: Named "The Hand of God" due to its appearance in X-ray images resembling a hand,

caused by energetic particles and magnetic fields.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for PSR B0833-45 -->

<div class="modal" id="myModal64">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">PSR B0833-45</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/Vela Pulsar (PSR B0833-45).jpg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery: Discovered in 1968.</li>

<li>Size: Standard neutron star size, highly dense.</li>

<li>Atmosphere: Minimal or absent atmosphere, primarily composed of neutrons.</li>

<li>Distance from Sun and Earth: Located about 1,000 light-years from Earth.</li>

<li>Other Details: One of the brightest and most studied pulsars, part of the Vela supernova

remnant.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<div class="background-d">

<div class="astro-grid">

<div class="img-astro" data-aos-offset="300" data-aos="fade-up">

<img src="./images/astro11.jpg" alt="">

</div>

<div class="astro-pri" data-aos-offset="300" data-aos="fade-down">

<h1 class="astrohead">Lowell Observatory</h1>

<h3 class="h3astro">Specification:</h3>

<p class="p-astro">"Lowell Observatory, nestled in Arizona, holds historical significance for its discovery

of Pluto in 1930. It continues to conduct astronomical research, study planetary science, and contribute

to public outreach, fostering curiosity about the universe."</p>

<iframe class="mapastro"

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3260.143297024017!2d-111.6672177254545!3d35.20289945610386!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x872d8f579525ab47%3A0xb904b6a511a35978!2sLowell%20Observatory!5e0!3m2!1sen!2s!4v1702962958372!5m2!1sen!2s"

style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

</div>

</div>

</div>

<section data-aos-offset="300" data-aos="zoom-in" id="Comets" class="container-fluid p-0 pb-5 menu-caro">

<div id="menu-content11" class="row container">

<div class="col-6 display-4 my-5 pt-5 text-center">Comets</div>

<div class="col-6 display-4 my-5 pt-5 text-end">

<div class="slider-controls">

<button class="slider-prev11"><i class="fas fa-arrow-left"></i></button>

<button class="slider-next11" 1><i class="fas fa-arrow-right"></i></button>

</div>

</div>

</div>

<div id="menu-slider11" class="menu-slider10 owl-carousel container">

<div class="div-col">

<div class="mat">

<img class="plat net" style="border-radius: 26%;" src="./images/d1.jpg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Halley's Comet</h1>

<ul class="pstyle">

<li>Discovered: Documented since 240 BC</li>

<li>Size: Nucleus diameter: ~15 kilometers</li>

<li>Atmosphere: Tenuous coma of gas and dust</li>

<li>Distance from Sun: ~5.2 AU (average)</li>

<li>Distance from Earth: Varies between 0.6 AU to over 35 AU</li>

<li>Other Details: Highly elliptical orbit, returns every 76 years (last seen in 1986, next in 2061)

</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal65">

View More

</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/d2.jpg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Hale-Bopp Comet</h1>

<ul class="pstyle">

<li>Discovered: July 23, 1995</li>

<li>Size: Nucleus diameter: ~60 kilometers</li>

<li>Atmosphere: Bright coma with distinct tails</li>

<li>Distance from Sun: ~0.91 AU</li>

<li>Distance from Earth: ~1.32 AU</li>

<li>Other Details: One of the brightest comets observed in the 20th century</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal66">

View More

</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/d3.jpeg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Hyakutake Comet</h1>

<ul class="pstyle">

<li>Discovered: January 30, 1996</li>

<li>Size: Nucleus diameter: ~3.2 kilometers</li>

<li>Atmosphere: Faint coma with two tails</li>

<li>Distance from Sun: ~0.23 AU</li>

<li>Distance from Earth: Closest approach: 0.1 AU</li>

<li>Other Details: Closest cometary approach to Earth in the 20th century</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal67">

View More

</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/d4.jpeg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Shoemaker-Levy 9 Comet</h1>

<ul class="pstyle">

<li>Discovered: March 24, 1993</li>

<li>Size: Fragment diameters: Varied (up to ~2 kilometers)</li>

<li>Atmosphere: Cometary fragments caused impact marks on Jupiter</li>

<li>Distance from Sun: ~5.7 AU (average)</li>

<li>Distance from Earth: ~390 million kilometers</li>

<li>Other Details: Unique event - fragments collided with Jupiter over several days in July 1994</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal68">

View More

</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/d5.jpeg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">ISON Comet</h1>

<ul class="pstyle">

<li>Discovered: September 21, 2012</li>

<li>Size: Estimated nucleus size: ~4.8 kilometers</li>

<li>Atmosphere: Coma and tail visible due to sublimating ice</li>

<li>Distance from Sun: Closest approach: ~0.012 AU</li>

<li>Distance from Earth: Closest approach: ~0.43 AU</li>

<li>Other Details: Named after the International Scientific Optical Network (ISON)</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal69">

View More

</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/d6.jpg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Churyumov-Gerasimenko Comet</h1>

<ul class="pstyle">

<li>Discovered: September 20, 1969</li>

<li>Size: Nucleus size: ~4.1 kilometers</li>

<li>Atmosphere: Coma and tail visible due to sublimating ice</li>

<li>Distance from Sun: Closest approach: ~1.24 AU</li>

<li>Distance from Earth: Varies between ~1.24 AU and ~5.68 AU</li>

<li>Other Details: The target of the European Space Agency's Rosetta mission</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal70">

View More

</button>

</div>

</div>

</div>

<script>

$(document).ready(function () {

$('#menu-slider11').owlCarousel({

items: 4,

loop: true,

margin: 10,

nav: false,

dots: false,

responsive: {

0: {

items: 1

},

768: {

items: 2

},

992: {

items: 3

},

1140: {

items: 3

}

}

});

//

//ends

// Custom navigation

$('#menu-content11 .slider-prev11').click(function () {

$('#menu-slider11').trigger('prev.owl.carousel');

});

$('#menu-content11 .slider-next11').click(function () {

$('#menu-slider11').trigger('next.owl.carousel');

});

});

</script>

</section>

<!-- The Modal - Halley's Comet -->

<div class="modal" id="myModal65">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Halley's Comet</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/d1.jpg" alt="">

</div>

<div class="htrig">

<h1>Specifications</h1>

<ul>

<li>Discovered: Known since ancient times, recorded sightings dating back to 240 BC</li>

<li>Size: Nucleus estimated to be roughly 15 kilometers in diameter</li>

<li>Atmosphere: Mostly composed of gases like water vapor, carbon dioxide, and other compounds</li>

<li>Distance from Sun and Earth: Highly elliptical orbit, varies from about 0.59 to 35 AU from the

Sun</li>

<li>Other Details: Visits the inner solar system roughly every 76 years, last observed in 1986</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal - Hale-Bopp Comet -->

<div class="modal" id="myModal66">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Hale-Bopp Comet</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/d2.jpg" alt="">

</div>

<div class="htrig">

<h1>Specifications</h1>

<ul>

<li>Discovered: July 23, 1995</li>

<li>Size: Estimated to have a nucleus about 60 kilometers in diameter</li>

<li>Atmosphere: Composed mostly of gases like water vapor, carbon dioxide, and other compounds</li>

<li>Distance from Sun and Earth: Varies significantly due to its highly elliptical orbit</li>

<li>Other Details: Observed for an extended period in 1997, known for its brightness and long tail

</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal - Hyakutake Comet -->

<div class="modal" id="myModal67">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Hyakutake Comet</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/d3.jpeg" alt="">

</div>

<div class="htrig">

<h1>Specifications</h1>

<ul>

<li>Discovered: January 30, 1996</li>

<li>Size: Estimated to have a nucleus about 3.2 kilometers in diameter</li>

<li>Atmosphere: Composed mostly of gases like water vapor, carbon dioxide, and other compounds</li>

<li>Distance from Sun and Earth: Varies significantly due to its highly elliptical orbit</li>

<li>Other Details: Bright and visible to the naked eye, one of the closest comets to Earth in

centuries</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal -->

<div class="modal" id="myModal68">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Shoemaker-Levy 9 Comet</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/d4.jpeg" alt="">

</div>

<div class="htrig">

<h1>Specifications</h1>

<ul>

<li>Discovered: 1993</li>

<li>Size: Varied fragments; largest fragment approximately 2 km in diameter</li>

<li>Atmosphere: Composition involved mostly of gases, including water vapor, hydrogen, and helium

</li>

<li>Distance from Sun and Earth: Comet approached and collided with Jupiter; distance from Earth

varied</li>

<li>Other Details: Shoemaker-Levy 9 fragmented and collided with Jupiter in 1994, providing a unique

opportunity to study impacts on a giant planet</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal -->

<div class="modal" id="myModal69">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">ISON Comet</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/d5.jpeg" alt="">

</div>

<div class="htrig">

<h1>Specifications</h1>

<ul>

<li>Discovered: 2012</li>

<li>Size: Estimated to be around 4-5 km in diameter</li>

<li>Atmosphere: Cometary atmosphere consisting of gases like water vapor, carbon dioxide, and carbon

monoxide</li>

<li>Distance from Sun and Earth: Varies significantly due to its elliptical orbit around the Sun

</li>

<li>Other Details: ISON Comet gained attention for its close approach to the Sun, resulting in

disintegration</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal -->

<div class="modal" id="myModal70">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Churyumov-Gerasimenko Comet</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/d6.jpg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery: Discovered on September 20, 1969.</li>

<li>Size: The nucleus size is approximately 4.1 kilometers.</li>

<li>Atmosphere: Comprises a coma and a visible tail due to sublimating ice.</li>

<li>Distance from Sun: Its closest approach to the Sun is about 1.24 astronomical units (AU).</li>

<li>Distance from Earth: Varies between approximately 1.24 AU and 5.68 AU.</li>

<li>Other Details: This comet was the target of the European Space Agency's Rosetta mission, which

provided in-depth study and close-up observations of the comet, including landing a probe on its

surface.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<div class="background-d">

<div class="astro-grid1">

<div class="astro-pri" data-aos-offset="300" data-aos="fade-up">

<h1 class="astrohead">Roque De Los Muchachos Observatory</h1>

<h3 class="h3astro">Specification:</h3>

<p class="p-astro">"The Roque de los Muchachos Observatory, situated in Spain's Canary Islands, hosts a

collection of telescopes at a high-altitude location. Renowned for its clear skies and diverse

instruments, it's a premier site for astronomical observations across various wavelengths."</p>

<iframe class="mapastro"

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3497.736417959552!2d-17.887560225771637!3d28.757285678406934!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0xc6bf074f599aaab%3A0x8938042021c61cf!2sObservatorio%20Astrof%C3%ADsico!5e0!3m2!1sen!2s!4v1702963003749!5m2!1sen!2s"

style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

</div>

<div class="img-astro" data-aos-offset="300" data-aos="fade-up">

<img src="./images/astro12.jpg" alt="">

</div>

</div>

</div>

<section data-aos="zoom-in" data-aos-offset="300" id="Nebula" class="container-fluid p-0 pb-5 menu-caro">

<div id="menu-content13" class="row container">

<div class="col-6 display-4 my-5 pt-5 text-center">Nebula</div>

<div class="col-6 display-4 my-5 pt-5 text-end">

<div class="slider-controls">

<button class="slider-prev13"><i class="fas fa-arrow-left"></i></button>

<button class="slider-next13" 1><i class="fas fa-arrow-right"></i></button>

</div>

</div>

</div>

<div id="menu-slider13" class="menu-slider13 owl-carousel container">

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/n2.jpg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Eagle Nebula</h1>

<ul class="pstyle">

<li>Discovery: Discovered in 1745 by Jean-Philippe de Chéseaux.</li>

<li>Size: Spans around 70 by 55 light-years.</li>

<li>Atmosphere: Contains various gases, including hydrogen and dust.</li>

<li>Distance from Sun: Approximately 7,000 light-years from Earth.</li>

<li>Other Details: Known for the "Pillars of Creation," vast columns of gas and dust where new stars are

forming.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal78">View

More</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/n3.jpg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Helix Nebula</h1>

<ul class="pstyle">

<li>Discovery: Discovered by Karl Ludwig Harding before 1824.</li>

<li>Size: Spans about 2.5 light-years across.</li>

<li>Atmosphere: Contains ionized gases such as hydrogen, helium, and oxygen.</li>

<li>Distance from Sun: Approximately 655 light-years from Earth.</li>

<li>Other Details: Classified as a planetary nebula, representing the final stages of a star's life.

</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal79">View

More</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/n4.jpg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Cat's Eye Nebula</h1>

<ul class="pstyle">

<li>Discovery: Discovered by William Herschel in 1786.</li>

<li>Size: Measures around half a light-year across.</li>

<li>Atmosphere: Composed of ionized gases like nitrogen, oxygen, and hydrogen.</li>

<li>Distance from Sun: Approximately 3,300 light-years from Earth.</li>

<li>Other Details: A planetary nebula displaying intricate concentric shells of gas ejected by a dying

star.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal80">View

More</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/n5.jpeg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Trifid Nebula</h1>

<ul class="pstyle">

<li>Discovery: Discovered by Charles Messier in 1764.</li>

<li>Size: Spans an area of about 50 light-years.</li>

<li>Atmosphere: Contains hydrogen gas and dust clouds.</li>

<li>Distance from Sun: Approximately 5,200 light-years from Earth.</li>

<li>Other Details: Known for its three-lobed appearance, consisting of emission nebulae and dark lanes

of dust.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal81">View

More</button>

</div>

</div>

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/n5.jpeg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Trifid Nebula</h1>

<ul class="pstyle">

<li>Discovery: Discovered by Charles Messier in 1764.</li>

<li>Size: Spans an area of about 50 light-years.</li>

<li>Atmosphere: Contains hydrogen gas and dust clouds.</li>

<li>Distance from Sun: Approximately 5,200 light-years from Earth.</li>

<li>Other Details: Known for its three-lobed appearance, consisting of emission nebulae and dark lanes

of dust.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal81">View

More</button>

</div>

</div>

</div>

<script>

$(document).ready(function () {

$('#menu-slider13').owlCarousel({

items: 4,

loop: true,

margin: 10,

nav: false,

dots: false,

responsive: {

0: {

items: 1

},

768: {

items: 2

},

992: {

items: 3

},

1140: {

items: 3

}

}

});

//

//ends

// Custom navigation

$('#menu-content13 .slider-prev13').click(function () {

$('#menu-slider13').trigger('prev.owl.carousel');

});

$('#menu-content13 .slider-next13').click(function () {

$('#menu-slider13').trigger('next.owl.carousel');

});

});

</script>

</section>

<!-- The Modal for Orion Nebula -->

<div class="modal" id="myModal77">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Orion Nebula</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/n1.jpeg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery: Discovered and documented before recorded history; officially cataloged by

Nicolas-Claude Fabri de Peiresc in the early 17th century.</li>

<li>Size: Extends over an area roughly 24 light-years across.</li>

<li>Atmosphere: Primarily composed of hydrogen, helium, and other ionized gases.</li>

<li>Distance from Sun: Approximately 1,344 light-years from Earth.</li>

<li>Other Details: Home to a young star cluster, numerous protostars, and proplyds (protoplanetary

disks).</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Eagle Nebula -->

<div class="modal" id="myModal78">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Eagle Nebula</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/n2.jpg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery: Discovered in 1745 by Jean-Philippe de Chéseaux.</li>

<li>Size: Spans around 70 by 55 light-years.</li>

<li>Atmosphere: Contains various gases, including hydrogen and dust.</li>

<li>Distance from Sun: Approximately 7,000 light-years from Earth.</li>

<li>Other Details: Known for the "Pillars of Creation," vast columns of gas and dust where new stars

are forming.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Helix Nebula -->

<div class="modal" id="myModal79">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Helix Nebula</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/n3.jpg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery: Discovered by Karl Ludwig Harding before 1824.</li>

<li>Size: Spans about 2.5 light-years across.</li>

<li>Atmosphere: Contains ionized gases such as hydrogen, helium, and oxygen.</li>

<li>Distance from Sun: Approximately 655 light-years from Earth.</li>

<li>Other Details: Classified as a planetary nebula, representing the final stages of a star's life.

</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Cat's Eye Nebula -->

<div class="modal" id="myModal80">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Cat's Eye Nebula</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/n4.jpg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery: Discovered by William Herschel in 1786.</li>

<li>Size: Measures around half a light-year across.</li>

<li>Atmosphere: Composed of ionized gases like nitrogen, oxygen, and hydrogen.</li>

<li>Distance from Sun: Approximately 3,300 light-years from Earth.</li>

<li>Other Details: A planetary nebula displaying intricate concentric shells of gas ejected by a

dying star.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- The Modal for Trifid Nebula -->

<div class="modal" id="myModal81">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Trifid Nebula</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/n5.jpeg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery: Discovered by Charles Messier in 1764.</li>

<li>Size: Spans an area of about 50 light-years.</li>

<li>Atmosphere: Contains hydrogen gas and dust clouds.</li>

<li>Distance from Sun: Approximately 5,200 light-years from Earth.</li>

<li>Other Details: Known for its three-lobed appearance, consisting of emission nebulae and dark

lanes of dust.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<div class="background-d">

<div class="astro-grid">

<div class="img-astro" data-aos-offset="300" data-aos="fade-up">

<img src="./images/astro13.jpg" alt="">

</div>

<div class="astro-pri" data-aos-offset="300" data-aos="fade-down">

<h1 class="astrohead">Paranal Observatory</h1>

<h3 class="h3astro">Specification:</h3>

<p class="p-astro">"The Paranal Observatory, located in Chile's Atacama Desert, is home to the Very Large

Telescope (VLT) array. Operated by the European Southern Observatory (ESO), it's a cutting-edge facility

observing the universe in optical and infrared wavelengths, facilitating groundbreaking astronomical

discoveries."</p>

<iframe class="mapastro"

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3626.8919726635954!2d-70.40697152573995!3d-24.627407901618696!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x96a54b61d3339975%3A0x3a7de988bfbed184!2sObservatorio%20Paranal!5e0!3m2!1sen!2s!4v1702963060402!5m2!1sen!2s"

style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

</div>

</div>

</div>

<section data-aos-offset="300" data-aos="zoom-in" id="Dust" class="container-fluid p-0 pb-5 menu-caro">

<div id="menu-content14" class="row container">

<div class="col-6 display-4 my-5 pt-5 text-center">Dust</div>

<div class="col-6 display-4 my-5 pt-5 text-end">

<div class="slider-controls">

<button class="slider-prev14"><i class="fas fa-arrow-left"></i></button>

<button class="slider-next14" 1><i class="fas fa-arrow-right"></i></button>

</div>

</div>

</div>

<div id="menu-slider14" class="menu-slider14 owl-carousel container">

<!-- Silicates -->

<div class="div-col items">

<div class="mat">

<img class="plat net" style="border-radius: 26%;" src="./images/l1.jpg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Silicates</h1>

<ul class="pstyle">

<li>Discovery: Known for a long time due to prevalence in Earth's crust.</li>

<li>Size: Varies significantly from nanometers to micrometers.</li>

<li>Atmosphere: Found in dust clouds, asteroids, and rocky planets.</li>

<li>Distance from Sun/Earth: Distributed throughout the Solar System.</li>

<li>Other Details: Composed of silicon and oxygen; essential in minerals like quartz and feldspar.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal83">

View More

</button>

</div>

</div>

<!-- Carbonaceous Dust -->

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/l2.jpeg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Carbonaceous Dust</h1>

<ul class="pstyle">

<li>Discovery: Discovered in various asteroids and comets.</li>

<li>Size: Ranges from micrometers to millimeters.</li>

<li>Atmosphere: Present in interstellar clouds and some planetary atmospheres.</li>

<li>Distance from Sun/Earth: Found across the Solar System.</li>

<li>Other Details: Contains complex organic compounds, including carbon and hydrocarbons.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal84">

View More

</button>

</div>

</div>

<!-- Ice Grains -->

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/l3.jpeg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Ice Grains</h1>

<ul class="pstyle">

<li>Discovery: Commonly found in outer regions of planetary systems.</li>

<li>Size: Varies from nanometers to micrometers.</li>

<li>Atmosphere: Predominantly found in cold interstellar clouds.</li>

<li>Distance from Sun/Earth: Abundant in Kuiper Belt and Oort Cloud.</li>

<li>Other Details: Composed mainly of water ice, with traces of other frozen substances.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal85">

View More

</button>

</div>

</div>

<!-- Polycyclic Aromatic Hydrocarbons -->

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/l4.jpeg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Polycyclic Aromatic Hydrocarbons</h1>

<ul class="pstyle">

<li>Discovery: Commonly found in interstellar space and in some planetary atmospheres.</li>

<li>Size: Varied sizes, from small molecules to complex structures.</li>

<li>Atmosphere: Present in regions with active star formation and hydrocarbon-rich environments.</li>

<li>Distance from Sun/Earth: Dispersed across interstellar medium.</li>

<li>Other Details: Exhibits unique spectral signatures and is associated with organic chemistry in

space.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal86">

View More

</button>

</div>

</div>

<!-- Iron and Other Heavy Elements -->

<div class="div-col">

<div class="mat">

<img class="plat net" src="./images/l5.jpeg" alt="">

</div>

<div class="divpad">

<h1 class="hstyle2">Iron and Other Heavy Elements</h1>

<ul class="pstyle">

<li>Discovery: Found abundantly in planetary cores, asteroids, and supernova remnants.</li>

<li>Size: Ranges from nanoparticles to larger clusters.</li>

<li>Atmosphere: Predominantly exists in space and planetary cores.</li>

<li>Distance from Sun/Earth: Distributed throughout the Solar System and beyond.</li>

<li>Other Details: Includes elements like iron, nickel, and other metallic compounds, crucial for planet

formation.</li>

</ul>

<!-- Button to Open the Modal -->

<button type="button" class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModal87">

View More

</button>

</div>

</div>

</div>

<script>

$(document).ready(function () {

$('#menu-slider14').owlCarousel({

items: 4,

loop: true,

margin: 10,

nav: false,

dots: false,

responsive: {

0: {

items: 1

},

768: {

items: 2

},

992: {

items: 3

},

1140: {

items: 3

}

}

});

//

//ends

// Custom navigation

$('#menu-content14 .slider-prev14').click(function () {

$('#menu-slider14').trigger('prev.owl.carousel');

});

$('#menu-content14 .slider-next14').click(function () {

$('#menu-slider14').trigger('next.owl.carousel');

});

});

</script>

</section>

</div>

<!-- Modal 83 - Silicates -->

<div class="modal" id="myModal83">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Silicates</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/l1.jpg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>When Discovered: Silicates have been recognized in space studies for many years.</li>

<li>Size: Varied sizes, often ranging from nanometers to micrometers.</li>

<li>Atmosphere: Typically found in interstellar space and are fundamental components of cosmic dust.

</li>

<li>Distance from Sun and Earth: Varies in different interstellar regions; their distance from the

solar system can differ significantly.</li>

<li>Other Important Details: Silicates represent a significant component of cosmic dust and play

crucial roles in the formation of stars, planets, and the overall evolution of galaxies.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal 84 - Carbonaceous Dust -->

<div class="modal" id="myModal84">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Carbonaceous Dust</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/l2.jpeg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>When Discovered: Discovered in space research during the 1980s.</li>

<li>Size: Varied sizes, typically ranging from nanometers to micrometers in diameter.</li>

<li>Atmosphere: Found in interstellar space and often observed in the vicinity of dying stars or

supernovae remnants.</li>

<li>Distance from Sun and Earth: Varies widely across different interstellar regions; distance from

the solar system can vary significantly.</li>

<li>Other Important Details: Carbonaceous dust comprises carbon-rich particles, including complex

organic molecules. They play a vital role in the formation of stars, planets, and organic compounds

in space.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal 85 - Ice Grains -->

<div class="modal" id="myModal85">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Ice Grains</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/l3.jpeg" alt="">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>When Discovered: Ice grains have been studied extensively in space missions over the past few

decades.</li>

<li>Size: Typically small, ranging from sub-micrometer to micrometer sizes.</li>

<li>Atmosphere: Predominantly found in cold interstellar environments and the outer regions of

protoplanetary disks.</li>

<li>Distance from Sun and Earth: Varies based on their location in different interstellar regions.

</li>

<li>Other Important Details: Ice grains primarily consist of frozen water and other volatile

substances. They contribute to the formation of comets, planets, and are crucial in understanding

the chemical composition of interstellar regions.</li>

</ul>

</div>

</div>

</div>

<!-- Modal footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for Polycyclic Aromatic Hydrocarbons (myModal86) -->

<div class="modal" id="myModal86">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Polycyclic Aromatic Hydrocarbons</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal Body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/l4.jpeg" alt="Polycyclic Aromatic Hydrocarbons Image">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery: Polycyclic Aromatic Hydrocarbons were first identified in space in the late 1970s.

</li>

<li>Size: Varied structures from small to large molecules.</li>

<li>Atmosphere: Found in regions with abundant star formation and in hydrocarbon-rich environments

in space.</li>

<li>Distance from Sun/Earth: Spread across interstellar medium, light-years away from Earth.</li>

<li>Other Details: They are organic molecules consisting of fused aromatic rings, crucial for

astrochemistry and the formation of organic matter in space.</li>

</ul>

</div>

</div>

</div>

<!-- Modal Footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Modal for Iron and Other Heavy Elements (myModal87) -->

<div class="modal" id="myModal87">

<div class="modal-dialog">

<div class="modal-content">

<!-- Modal Header -->

<div class="modal-header">

<h4 class="modal-title">Iron and Other Heavy Elements</h4>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<!-- Modal Body -->

<div class="modal-body ten">

<div class="inner-grid">

<div>

<img class="imginner tap" src="./images/l5.jpeg" alt="Iron and Other Heavy Elements Image">

</div>

<div class="htrig">

<h1>Specification</h1>

<ul>

<li>Discovery: Elements like iron, nickel, and other heavy elements have been present since the

formation of the universe.</li>

<li>Size: Varied, from nanoparticles to larger structures in space.</li>

<li>Atmosphere: Primarily found in planetary cores, asteroids, and supernova remnants.</li>

<li>Distance from Sun/Earth: Distributed across the Solar System and beyond, existing in planetary

bodies and interstellar medium.</li>

<li>Other Details: These elements play a vital role in planet formation, metallicity in stars, and

are significant components of celestial bodies and cosmic dust.</li>

</ul>

</div>

</div>

</div>

<!-- Modal Footer -->

<div class="modal-footer">

<button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<div class="faq\_area section\_padding\_130" id="faq">

<div class="container">

<div class="row justify-content-center">

<div class="col-12 col-sm-8 col-lg-6">

<!-- Section Heading-->

<div class="section\_heading text-center wow fadeInUp" data-wow-delay="0.2s"

style="visibility: visible; animation-delay: 0.2s; animation-name: fadeInUp; ">

<h3 style="color: white;" data-aos="fade-down" data-aos-offset="300"><span>Frequently </span> Asked

Questions</h3>

<div class="line"></div>

</div>

</div>

</div>

<div class="row justify-content-center">

<!-- FAQ Area-->

<div class="col-12 col-sm-10 col-lg-8" data-aos="zoom-in" data-aos-offset="300">

<div class="accordion faq-accordian" id="faqAccordion">

<div class="card border-0 wow fadeInUp" data-wow-delay="0.2s"

style="visibility: visible; animation-delay: 0.2s; animation-name: fadeInUp;">

<div class="card-header" id="headingOne">

<h6 class="mb-0 collapsed" data-toggle="collapse" data-target="#collapseOne" aria-expanded="true"

aria-controls="collapseOne">When best to Star Gaze ?<span class="lni-chevron-up"></span></h6>

</div>

<div class="collapse" id="collapseOne" aria-labelledby="headingOne" data-parent="#faqAccordion">

<div class="card-body">

<p>The best time for stargazing is during a new moon phase or when the moon is absent from the sky.

Clear nights with minimal cloud cover and away from light pollution offer optimal visibility.</p>

</div>

</div>

</div>

<div class="card border-0 wow fadeInUp" data-wow-delay="0.3s"

style="visibility: visible; animation-delay: 0.3s; animation-name: fadeInUp;">

<div class="card-header" id="headingTwo">

<h6 class="mb-0 collapsed" data-toggle="collapse" data-target="#collapseTwo" aria-expanded="true"

aria-controls="collapseTwo">Where is best to Star Gaze?<span class="lni-chevron-up"></span></h6>

</div>

<div class="collapse" id="collapseTwo" aria-labelledby="headingTwo" data-parent="#faqAccordion">

<div class="card-body">

<p>The best places for stargazing are locations with minimal light pollution, such as designated

dark sky areas or remote rural areas. These spots offer clearer views of the night sky and

celestial objects.</p>

</div>

</div>

</div>

<div class="card border-0 wow fadeInUp" data-wow-delay="0.4s"

style="visibility: visible; animation-delay: 0.4s; animation-name: fadeInUp;">

<div class="card-header" id="headingThree">

<h6 class="mb-0 collapsed" data-toggle="collapse" data-target="#collapseThree" aria-expanded="true"

aria-controls="collapseThree">What to expect to see in a Star Gaze?<span

class="lni-chevron-up"></span></h6>

</div>

<div class="collapse" id="collapseThree" aria-labelledby="headingThree" data-parent="#faqAccordion">

<div class="card-body">

<p>During stargazing, you can expect to see various celestial objects such as stars, constellations,

planets, the moon, satellites, and sometimes meteor showers or even fainter objects like nebulae

and galaxies, especially with binoculars or telescopes.</p>

</div>

</div>

</div>

</div>

<!-- Support Button-->

<div class="support-button text-center d-flex align-items-center justify-content-center mt-4 wow fadeInUp"

data-wow-delay="0.5s" style="visibility: visible; animation-delay: 0.5s; animation-name: fadeInUp;">

<i class="lni-emoji-sad"></i>

</div>

</div>

</div>

</div>

</div>

# **ABOUT US SECTION CODING**

  <!-- ABOUT US -->

    <section id="about">

      <div class="row try p-5">

        <div class="col-md-5">

          <div class="about-sub-1">

            <h1 class="display-4" data-aos="fade-up" data-aos-offset="300">About Us</h1>

            <h3 data-aos="fade-up" data-aos-offset="300">About Sky gazing</h3>

            <p data-aos="fade-up" data-aos-offset="300">

              "Passionate about the cosmos, our mission at Sky Gazing is to inspire and guide enthusiasts through the

              wonders of stargazing, offering expertise and resources for exploring the mysteries of the night sky."

            </p>

          </div>

          <div class="about-sub-2">

            <div id="menu-content16" class="row container custom-card" data-aos="fade-up" data-aos-offset="300">

              <div class="col-6 display-6 my-2 pt-4 text-center team">Team Member</div>

              <div class="col-6 display-6 my-2 pt-4 text-end">

                <div class="slider-controls">

                  <button class="slider-prev16"><i class="fas fa-arrow-left"></i></button>

                  <button class="slider-next16" 1><i class="fas fa-arrow-right"></i></button>

                </div>

              </div>

            </div>

            <div data-aos="fade-up" id="menu-slider16" class="menu-slider16 owl-carousel container custom\_card\_slider">

              <div class="about-card">

                <h1>Muhammad Abdullah Siddiqui</h1>

                <p>

                  "Welcome to Abdullah Siddiqui Sky Gazing Haven! I'm Muhammad Abdullah Siddiqui, a passionate sky gazer

                  fascinated by the wonders above. This website is a celestial sanctuary crafted to share my love for

                  the stars, planets, and the infinite beauty of our cosmos. Join me on a cosmic journey as we explore

                  the mysteries of the universe through stargazing tips, celestial events, astrophotography, and

                  captivating stories about our cosmic neighborhood. Let's navigate the vastness of the night sky

                  together and uncover the enchanting secrets it holds."

                </p>

              </div>

              <div class="about-card">

                <h1>Syed Muhammad Taha</h1>

                <p>

                  "Welcome to Syed Muhammad Taha's Sky Gazing Haven! I'm Syed Muhammad Taha, a passionate sky gazer

                  fascinated by the wonders above. This website is a celestial sanctuary crafted to share my love for

                  the stars, planets, and the infinite beauty of our cosmos. Join me on a cosmic journey as we explore

                  the mysteries of the universe through stargazing tips, celestial events, astrophotography, and

                  captivating stories about our cosmic neighborhood. Let's navigate the vastness of the night sky

                  together and uncover the enchanting secrets it holds."

                </p>

              </div>

              <div class="about-card">

                <h1>Muhammad Hussain Khan</h1>

                <p>

                  "Welcome to Muhammad Hussain Khan Sky Gazing Haven! I'm Muhammad Hussain Khan, a passionate sky gazer

                  fascinated by the wonders above. This website is a celestial sanctuary crafted to share my love for

                  the stars, planets, and the infinite beauty of our cosmos. Join me on a cosmic journey as we explore

                  the mysteries of the universe through stargazing tips, celestial events, astrophotography, and

                  captivating stories about our cosmic neighborhood. Let's navigate the vastness of the night sky

                  together and uncover the enchanting secrets it holds."

                </p>

              </div>

            </div>

            <script>

              $(document).ready(function () {

                $('#menu-slider16').owlCarousel({

                  items: 1,

                  loop: true,

                  margin: 10,

                  nav: false,

                  dots: false,

                });

                //

                //ends

                // Custom navigation

                $('#menu-content16 .slider-prev16').click(function () {

                  $('#menu-slider16').trigger('prev.owl.carousel');

                });

                $('#menu-content16 .slider-next16').click(function () {

                  $('#menu-slider16').trigger('next.owl.carousel');

                });

              });

            </script>

          </div>

        </div>

        <div class="col-md-7">

          <img class="custom\_img" src="./images/about-s.jpg" alt="About">

        </div>

      </div>

    </section>

# **Gallery Section Coding**

  <!-- gallery -->

    <section id="gallery">

      <h1>Gallery</h1>

      <div class="gall-main" data-aos="fade-up" data-aos-offset="300">

        <div class="gall-grid">

          <img src="./images/solar-system.jpg" alt="" data-aos-offset="300">

          <span class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModalaa">Planets</span>

        </div>

        <div class="gall-grid" data-aos="fade-up" data-aos-offset="300">

          <img src="./images/starses.jpeg" alt="">

          <span class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModala">Stars</span>

        </div>

        <div class="gall-grid" data-aos="fade-up" data-aos-offset="300">

          <img src="./images/moons.jpg" alt="">

          <span class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModalb">Moons</span>

        </div>

        <div class="gall-grid" data-aos="fade-up" data-aos-offset="300">

          <img src="./images/asterioses.jpeg" alt="">

          <span class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModalc">Asteroids</span>

        </div>

        <div class="gall-grid" data-aos="fade-up" data-aos-offset="300">

          <img src="./images/neutronstars.jpeg" alt="">

          <span class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModald">Neutron Stars</span>

        </div>

        <div class="gall-grid" data-aos="fade-up" data-aos-offset="300">

          <img src="./images/cometss.jpg" alt="">

          <span class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModale">Comets</span>

        </div>

        <div class="gall-grid" data-aos="fade-up" data-aos-offset="300">

          <img src="./images/nebulas.jpeg" alt="">

          <span class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModalf">Nebula</span>

        </div>

        <div class="gall-grid" data-aos="fade-up" data-aos-offset="300">

          <img src="./images/dustes.jpg" alt="">

          <span class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModalg">Dust</span>

        </div>

        <div class="gall-grid" data-aos="fade-up" data-aos-offset="300">

          <img src="./images/observatoriess.jpg" alt="">

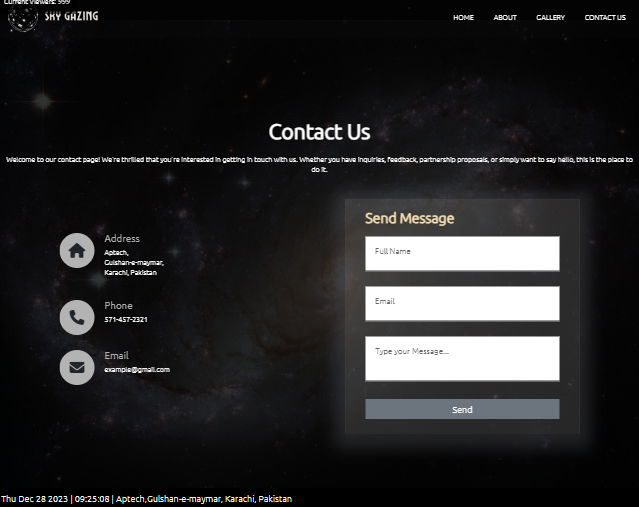
          <span class="btn btn-secondary" data-bs-toggle="modal" data-bs-target="#myModalh">Observatories</span>

        </div>

      </div>

    </section>

**CONTACT US PAGE**

****

# **CONTACT SECTION CODING**

<main class="cd\_\_main">

      <!-- Start DEMO HTML (Use the following code into your project)-->

      <section id="contact">

        <div class="section-header">

          <div class="container" data-aos="fade-down" data-aos-offset="300">

            <h2>Contact Us</h2>

            <p>Welcome to our contact page! We're thrilled that you're interested in getting in touch with us. Whether

              you have inquiries, feedback, partnership proposals, or simply want to say hello, this is the place to do

              it.</p>

          </div>

        </div>

        <div class="container1">

          <div class="row1">

            <div class="contact-info" data-aos="fade-up">

              <div class="contact-info-item">

                <div class="contact-info-icon">

                  <i class="fas fa-home"></i>

                </div>

                <div class="contact-info-content">

                  <h4>Address</h4>

                  <p>Aptech,<br> Gulshan-e-maymar,<br> Karachi, Pakistan</p>

                </div>

              </div>

              <div class="contact-info-item">

                <div class="contact-info-icon">

                  <i class="fas fa-phone"></i>

                </div>

                <div class="contact-info-content">

                  <h4>Phone</h4>

                  <p>571-457-2321</p>

                </div>

              </div>

              <div class="contact-info-item">

                <div class="contact-info-icon">

                  <i class="fas fa-envelope"></i>

                </div>

                <div class="contact-info-content">

                  <h4>Email</h4>

                  <p>example@gmail.com</p>

                </div>

              </div>

            </div>

            <div class="contact-form" data-aos="zoom-in">

              <form action="" id="contact-form">

                <h2>Send Message</h2>

                <div class="input-box">

                  <input type="text" required="true" name="">

                  <span>Full Name</span>

                </div>

                <div class="input-box">

                  <input type="email" required="true" name="">

                  <span>Email</span>

                </div>

                <div class="input-box">

                  <textarea required="true" name=""></textarea>

                  <span>Type your Message...</span>

                </div>

                <div class="input-box ">

                  <input style="border: none;" class="bg-secondary text-center" type="submit" value="Send" name="">

                </div>

              </form>

            </div>

          </div>

        </div>

      </section>

      <!-- END EDMO HTML (Happy Coding!)-->

    </main>

    <!-- The Modal -->

    <div class="modal" id="myModalaa">

      <div class="modal-dialog">

        <div class="modal-content">

          <!-- Modal Header -->

          <div class="modal-header">

            <h4 class="modal-title">Planets</h4>

            <button type="button" class="btn-close" data-bs-dismiss="modal"></button>

          </div>

          <!-- Modal body -->

          <div class="modal-body1">

            <div class="gall">

              <div>

                <img src="./images/mercury.png" alt="">

              </div>

              <div>

                <img src="./images/venus.png" alt="">

              </div>

              <div>

                <img src="./images/earth.png" alt="">

              </div>

              <div>

                <img src="./images/mars.png" alt="">

              </div>

              <div>

                <img src="./images/jupiter.png" alt="">

              </div>

              <div>

                <img src="./images/satr.png" alt="">

              </div>

              <div>

                <img src="./images/ura.png" alt="">

              </div>

              <div>

                <img src="./images/nep.png" alt="">

              </div>

              <div>

                <img src="./images/pluto.png" alt="">

              </div>

            </div>

          </div>

          <!-- Modal footer -->

          <div class="modal-footer">

            <button type="button" class="btn btn-danger" data-bs-dismiss="modal">Close</button>

          </div>

        </div>

      </div>

    </div>

    <!-- The Modal -->

    <div class="modal" id="myModala">

      <div class="modal-dialog">

        <div class="modal-content">

          <!-- Modal Header -->

          <div class="modal-header">

            <h4 class="modal-title">Stars</h4>

            <button type="button" class="btn-close" data-bs-dismiss="modal"></button>

          </div>

          <!-- Modal body -->

          <div class="modal-body1">

            <div class="gall">

              <div>

                <img src="./images/s1.png" alt="">

              </div>

              <div>

                <img src="./images/s2.png" alt="">

              </div>

              <div>

                <img src="./images/s3.png" alt="">

              </div>

              <div>

                <img src="./images/s4.png" alt="">

              </div>

              <div>

                <img src="./images/s5.png" alt="">

              </div>

              <div>

                <img src="./images/s6.png" alt="">

              </div>

              <div>

                <img src="./images/s7.png" alt="">

              </div>

              <div>

                <img src="./images/s8.png" alt="">

              </div>

              <div>

                <img src="./images/s9.png" alt="">

              </div>

            </div>

          </div>

          <!-- Modal footer -->

          <div class="modal-footer">

            <button type="button" class="btn btn-danger" data-bs-dismiss="modal">Close</button>

          </div>

        </div>

      </div>

    </div>

    <!-- The Modal -->

    <div class="modal" id="myModalb">

      <div class="modal-dialog">

        <div class="modal-content">

          <!-- Modal Header -->

          <div class="modal-header">

            <h4 class="modal-title">Moons</h4>

            <button type="button" class="btn-close" data-bs-dismiss="modal"></button>

          </div>

          <!-- Modal body -->

          <div class="modal-body1">

            <div class="gall">

              <div>

                <img src="./images/deimos.png" alt="">

              </div>

              <div>

                <img src="./images/phoros.png" alt="">

              </div>

              <div>

                <img src="./images/p1.png" alt="">

              </div>

              <div>

                <img src="./images/p2.png" alt="">

              </div>

              <div>

                <img src="./images/p3.png" alt="">

              </div>

              <div>

                <img src="./images/p4.png" alt="">

              </div>

              <div>

                <img src="./images/c1.png" alt="">

              </div>

              <div>

                <img src="./images/c2.png" alt="">

              </div>

              <div>

                <img src="./images/c3.png" alt="">

              </div>

              <div>

                <img src="./images/c4.png" alt="">

              </div>

              <div>

                <img src="./images/c5.png" alt="">

              </div>

              <div>

                <img src="./images/c6.png" alt="">

              </div>

              <div>

                <img src="./images/a1.png" alt="">

              </div>

              <div>

                <img src="./images/a2.png" alt="">

              </div>

              <div>

                <img src="./images/a3.png" alt="">

              </div>

              <div>

                <img src="./images/a4.png" alt="">

              </div>

              <div>

                <img src="./images/a5.png" alt="">

              </div>

              <div>

                <img src="./images/q1.png" alt="">

              </div>

              <div>

                <img src="./images/q2.png" alt="">

              </div>

              <div>

                <img src="./images/q3.png" alt="">

              </div>

              <div>

                <img src="./images/w1.png" alt="">

              </div>

              <div>

                <img src="./images/w2.png" alt="">

              </div>

              <div>

                <img src="./images/w3.png" alt="">

              </div>

              <div>

                <img src="./images/w4.png" alt="">

              </div>

              <div>

                <img src="./images/w5.png" alt="">

              </div>

            </div>

          </div>

          <!-- Modal footer -->

          <div class="modal-footer">

            <button type="button" class="btn btn-danger" data-bs-dismiss="modal">Close</button>

          </div>

        </div>

      </div>

    </div>

    <!-- The Modal -->

    <div class="modal" id="myModalc">

      <div class="modal-dialog">

        <div class="modal-content">

          <!-- Modal Header -->

          <div class="modal-header">

            <h4 class="modal-title">Asteroids</h4>

            <button type="button" class="btn-close" data-bs-dismiss="modal"></button>

          </div>

          <!-- Modal body -->

          <div class="modal-body1">

            <div class="gall">

              <div>

                <img src="./images/r1.png" alt="">

              </div>

              <div>

                <img src="./images/r2.png" alt="">

              </div>

              <div>

                <img src="./images/r3.png" alt="">

              </div>

              <div>

                <img src="./images/r4.png" alt="">

              </div>

              <div>

                <img src="./images/r5.png" alt="">

              </div>

              <div>

                <img src="./images/r6.png" alt="">

              </div>

            </div>

          </div>

          <!-- Modal footer -->

          <div class="modal-footer">

            <button type="button" class="btn btn-danger" data-bs-dismiss="modal">Close</button>

          </div>

        </div>

      </div>

    </div>

    <!-- The Modal -->

    <div class="modal" id="myModald">

      <div class="modal-dialog">

        <div class="modal-content">

          <!-- Modal Header -->

          <div class="modal-header">

            <h4 class="modal-title">Neutron Stars</h4>

            <button type="button" class="btn-close" data-bs-dismiss="modal"></button>

          </div>

          <!-- Modal body -->

          <div class="modal-body1">

            <div class="gall">

              <div>

                <img src="./images/neutron pulsa.jpeg" alt="">

              </div>

              <div>

                <img src="./images/PSR B1509-58 (The Hand of God).jpeg" alt="">

              </div>

              <div>

                <img src="./images/PSR B1919+21 (LGM-1) star.jpg" alt="">

              </div>

              <div>

                <img src="./images/PSR J1614-2230.jpg" alt="">

              </div>

            </div>

          </div>

          <!-- Modal footer -->

          <div class="modal-footer">

            <button type="button" class="btn btn-danger" data-bs-dismiss="modal">Close</button>

          </div>

        </div>

      </div>

    </div>

    <!-- The Modal -->

    <div class="modal" id="myModale">

      <div class="modal-dialog">

        <div class="modal-content">

          <!-- Modal Header -->

          <div class="modal-header">

            <h4 class="modal-title">Comets</h4>

            <button type="button" class="btn-close" data-bs-dismiss="modal"></button>

          </div>

          <!-- Modal body -->

          <div class="modal-body1">

            <div class="gall">

              <div>

                <img src="./images/d1.jpg" alt="">

              </div>

              <div>

                <img src="./images/d2.jpg" alt="">

              </div>

              <div>

                <img src="./images/d3.jpeg" alt="">

              </div>

              <div>

                <img src="./images/d4.jpeg" alt="">

              </div>

              <div>

                <img src="./images/d5.jpeg" alt="">

              </div>

              <div>

                <img src="./images/d6.jpg" alt="">

              </div>

            </div>

          </div>

          <!-- Modal footer -->

          <div class="modal-footer">

            <button type="button" class="btn btn-danger" data-bs-dismiss="modal">Close</button>

          </div>

        </div>

      </div>

    </div>

    <!-- The Modal -->

    <div class="modal" id="myModalf">

      <div class="modal-dialog">

        <div class="modal-content">

          <!-- Modal Header -->

          <div class="modal-header">

            <h4 class="modal-title">Nebula</h4>

            <button type="button" class="btn-close" data-bs-dismiss="modal"></button>

          </div>

          <!-- Modal body -->

          <div class="modal-body1">

            <div class="gall">

              <div>

                <img src="./images/n1.jpeg" alt="">

              </div>

              <div>

                <img src="./images/n2.jpg" alt="">

              </div>

              <div>

                <img src="./images/n3.jpg" alt="">

              </div>

              <div>

                <img src="./images/n4.jpg" alt="">

              </div>

              <div>

                <img src="./images/n5.jpeg" alt="">

              </div>

            </div>

          </div>

          <!-- Modal footer -->

          <div class="modal-footer">

            <button type="button" class="btn btn-danger" data-bs-dismiss="modal">Close</button>

          </div>

        </div>

      </div>

    </div>

    <!-- The Modal -->

    <div class="modal" id="myModalg">

      <div class="modal-dialog">

        <div class="modal-content">

          <!-- Modal Header -->

          <div class="modal-header">

            <h4 class="modal-title">Dust</h4>

            <button type="button" class="btn-close" data-bs-dismiss="modal"></button>

          </div>

          <!-- Modal body -->

          <div class="modal-body1">

            <div class="gall">

              <div>

                <img src="./images/l1.jpg" alt="">

              </div>

              <div>

                <img src="./images/l2.jpeg" alt="">

              </div>

              <div>

                <img src="./images/l3.jpeg" alt="">

              </div>

              <div>

                <img src="./images/l4.jpeg" alt="">

              </div>

              <div>

                <img src="./images/l5.jpeg" alt="">

              </div>

            </div>

          </div>

          <!-- Modal footer -->

          <div class="modal-footer">

            <button type="button" class="btn btn-danger" data-bs-dismiss="modal">Close</button>

          </div>

        </div>

      </div>

    </div>

    <!-- The Modal -->

    <div class="modal" id="myModalh">

      <div class="modal-dialog">

        <div class="modal-content">

          <!-- Modal Header -->

          <div class="modal-header">

            <h4 class="modal-title">Observatories</h4>

            <button type="button" class="btn-close" data-bs-dismiss="modal"></button>

          </div>

          <!-- Modal body -->

          <div class="modal-body1">

            <div class="gall">

              <div>

                <img src="./images/astro1.jpg" alt="">

              </div>

              <div>

                <img src="./images/astro-2.jpg" alt="">

              </div>

              <div>

                <img src="./images/astro3.jpg" alt="">

              </div>

              <div>

                <img src="./images/astro4.jpg" alt="">

              </div>

              <div>

                <img src="./images/astro-5.jpg" alt="">

              </div>

              <div>

                <img src="./images/astro-6.jpg" alt="">

              </div>

              <div>

                <img src="./images/astro7.jpg" alt="">

              </div>

              <div>

                <img src="./images/astro-8.jpg" alt="">

              </div>

              <div>

                <img src="./images/astro9.jpg" alt="">

              </div>

              <div>

                <img src="./images/astro-10.jpg" alt="">

              </div>

              <div>

                <img src="./images/astro11.jpg" alt="">

              </div>

              <div>

                <img src="./images/astro12.jpg" alt="">

              </div>

              <div>

                <img src="./images/astro13.jpg" alt="">

              </div>

            </div>

          </div>

          <!-- Modal footer -->

          <div class="modal-footer">

            <button type="button" class="btn btn-danger" data-bs-dismiss="modal">Close</button>

          </div>

        </div>

      </div>

    </div>

    <!-- Footer -->

    <footer class="text-center text-lg-start bg-body-tertiary text-muted">

      <!-- Section: Social media -->

      <section class="bg-secondary d-flex justify-content-lg-between p-4 border-bottom colord">

        <!-- Left -->

        <div data-aos-offset="0" data-aos="fade-up" class="me-5 d-none d-lg-block">

          <span>Get connected with us on social networks:</span>

        </div>

        <!-- Left -->

        <!-- Right -->

        <div data-aos-offset="0" data-aos="fade-up">

          <a href="" class="me-4 text-reset">

            <i class="fab fa-facebook-f"></i>

          </a>

          <a href="" class="me-4 text-reset">

            <i class="fab fa-twitter"></i>

          </a>

          <a href="" class="me-4 text-reset">

            <i class="fab fa-google"></i>

          </a>

          <a href="" class="me-4 text-reset">

            <i class="fab fa-instagram"></i>

          </a>

          <a href="" class="me-4 text-reset">

            <i class="fab fa-linkedin"></i>

          </a>

          <a href="" class="me-4 text-reset">

            <i class="fab fa-github"></i>

          </a>

        </div>

        <!-- Right -->

      </section>

      <!-- Section: Social media -->

      <!-- Section: Links  -->

      <section class="com">

        <div class="container text-center text-md-start pt-5" data-aos-offset="0" data-aos="fade-up">

          <!-- Grid row -->

          <div class="row mt-3">

            <!-- Grid column -->

            <div class="col-md-3 col-lg-4 col-xl-3 mx-auto mb-4">

              <!-- Content -->

              <h6 class="text-uppercase fw-bold mb-4 text-white">

                <i class="fas fa-gem me-3 text-white"></i>Sky Gazing

              </h6>

              <p class="text-secondary">

                "Passionate about the cosmos, our mission at Sky Gazing is to inspire and guide enthusiasts through the

                wonders of stargazing, offering expertise and resources for exploring the mysteries of the night sky."

              </p>

            </div>

            <!-- Grid column -->

            <!-- Grid column -->

            <div class="col-md-2 col-lg-2 col-xl-2 mx-auto mb-4">

              <!-- Links -->

              <h6 class="text-uppercase fw-bold mb-4 text-white">

                Products

              </h6>

              <p class="text-secondary">

                <a href="#" class="text-reset">Home</a>

              </p>

              <p class="text-secondary">

                <a href="#about" class="text-reset">About</a>

              </p>

              <p class="text-secondary">

                <a href="#gallery" class="text-reset">Gallery</a>

              </p>

              <p class="text-secondary">

                <a href="#contact" class="text-reset">Contact Us</a>

              </p>

            </div>

            <!-- Grid column -->

            <!-- Grid column -->

            <!-- Grid column -->

            <div class="col-md-4 col-lg-3 col-xl-3 mx-auto mb-md-0 mb-4">

              <!-- Links -->

              <h6 class="text-uppercase fw-bold mb-4 text-white">Contact</h6>

              <p class="text-secondary"><i class="fas fa-home me-3 text-secondary"></i> Aptech,

                Gulshan-e-maymar,

                Karachi.</p>

              <p class="text-secondary">

                <i class="fas fa-envelope me-3 text-secondary"></i>

                info@example.com

              </p>

              <p class="text-secondary"><i class="fas fa-phone me-3 text-secondary"></i> 571-457-2321</p>

              <p class="text-secondary"><i class="fas fa-print me-3 text-secondary"></i>571-457-2321</p>

            </div>

            <!-- Grid column -->

          </div>

          <!-- Grid row -->

        </div>

      </section>

      <!-- Section: Links  -->

      <!-- Copyright -->

      <div class="text-center p-4 text-secondary" style="background-color: black;margin-bottom: 1rem;">

        <div data-aos-offset="0" data-aos="fade-up">

          © 2023 Copyright:

          <a class="text-reset fw-bold text-white" href="#">Sky Gazing</a>

        </div>

      </div>

      <!-- Copyright -->

    </footer>

    <!-- Footer -->

  </div>

**THANK YOU**

**……….YOUR REGARDS……….**

**“IF YOU HAVE ANY PROBLEMS PLEASE CHECK OUR WEBSITE.”**