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<html lang="en">

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

 <title>Aryabhata</title>

</head>

<body>

 <div class="head">

 <h1>

 <ul>

 <li><a href="quiz.html">Quiz</a></li>

 <li><a href="aboutus.html">About Us</a></li>  <li><a href="feedback.html">Feedback</a></li>  <li><a href="contactus.html">Contact Us</a></li>  <li><a href="theories.html">Theories</a></li>  <li><a href="index.html">Inventions</a>  <ul>

 <li><a href="astronomy.html">Astronomy</a></li> <li><a

href="Mathematics.html">Mathematics</a></li>

 </ul>

 </li>

 <li><a href="index.html">Home</a></li>  </ul>

 <img src="Pictures/logo.jpg" alt="logo" class="logo" />  </h1>

 </div>

 <div class = "mar">

 <marquee width="100%" direction="left" height="30%" >  <b> Aryabhata: The brain of solutions  </b>

 </marquee>

 </div>

 <center>

 <div class = "hi">

<button class="btn">

 <img src="Pictures/img1.PNG" alt="Aryabhata" class="pic-of aryabhata">

</button>

<button class="btn">

 <a href="theories.html"><img src="Pictures/like.jpg"  alt="Aryabhata" class="pic-of-aryabhata" id="img"></a> </button>

<button class="btn">

 <a href="Mathematics.html"><img src="Pictures/img6.jpg"  alt="Aryabhata" class="pic-of-aryabhata"></a>

</button>

<button class="btn">

 <a href="astronomy.html"><img src="Pictures/img7.jpg"  alt="Aryabhata" class="pic-of-aryabhata"></a>

</button>

</div>

</center>

 <div class="about-him">

 <h1 class="who-is-he">Who is Aryabhata?</h1>

 <b><p class="who-is-para">Aryabhatta was the first Indian  Astronomer, Mathematician, and Physicist<br>who created innovative and  groundbreaking inventions and theories<br>which changed the life of a  common man. We may not be using the name<br>of Aryabhata in everyday  life, but we are using his theories, formulas and researches almost in  every part of our daily life.</p>

 <button><table>

 <caption>About Aryabhata</caption>

 <tr>

 <th>Name</th>

<td>Aryabhata</td>

 </tr>

 <tr>

 <th>Nick Name</th>

<td>Aru</td>

 <td>Aryan</td>

 <td>Batu</td>

<td>Buta</td>

 </tr>

 <tr>

 <th>Date Of Birth</th>

<td>13 April 476 CE</td>

 </tr>

 <tr>

 <th>Place Of Birth</th>

<td>Pataliputra(Present Day Patna, Bihar)</td>

 </tr>

 <tr>

 <th>Inventions</th>

<td>Explaination of Lunar Eclipse and Solar

Eclipse</td>

 <td>Rotation of Earth on its axis</td> <td>Reflection of light by Moon</td>

<td>Sinusoidal Function</td><tr>

 <th></th>

<td>Solution of single variable quadratice

equation</td>

 <td>Invented 0</td>

<td>Calculation of the length od sidereal year</td>

</tr>

 </tr>

 <tr>

 <th>Date Of Death</th>

 <td>550 AD</td>

 </tr>

 </table>

 </button>

 <p class="who-is-para">Aryabhatta was born in a small place  called Pataliputra(present day Patna, Bihar) during the Gupta dynasty  dated around 13 April 476 CE.

 It was discovered that Aryabhatta had set up an observatory  at the Sun temple in the Taregna district of Bihar for his astronomical  observatory works.</p>

 <p class="who-is-para">Aryabhatta contributed significantly  to mathematics for discovering various trigonometric functions that are  useful in the modern era.</p>

 <p class="who-is-para">He is said to have invented "zero",  a discovery that helped the world solve many of its issues.  Aryabhata presented the five laws of mathematics in a poem  to explain the rotation of the Earth on its axis.

 Aryabhatta wrote three books on astronomy and only one book  called the Aryabhata is in existence and is available today.  The three books written by Aryabhatta are called Das  Jeetika, Aryabhatiyam, and Tantra.

 Aryabhatta's inventions and formulas at that point of time  crossed India's borders and were celebrated worldwide.

 Today, the scientific community is forever grateful for the  innovations and formulas of Aryabhatta, which have led to science and  the world's progress.</p>

 <p class="who-is-para">Aryabhata's works in Mathematics  include arithmetic, spherical trigonometry, algebra, and plane  trigonometry along with other sections such as continued fractions,  sums-of-power series, quadratic equations, and sine tables. Aryabhatta  worked out the value of the mathematical constant pi (approximately  3.14) used today by several scientists and mathematicians worldwide.  Aryabhatta proposed the geocentric model of the solar system which  states that the Earth is the center of the universe and the Sun, the  moon, and the planets revolve around it.</p>

 <p class="who-is-para">Aryabhatta was an Indian astronomer  who discovered the entire solar system model and put forth the concept  of revolution and rotation of planets. The book Aryabhatia consists of  details on the Aryabhatta's lost works such as the Solar System's

motion, Sidereal Rotation periods and Heliocentrism, and details of  Eclipses.</p>

 <p class="who-is-para">The life of Aryabhatta is often  taught to children worldwide because his life story is filled with  inspiration and struggles, and most of his scientific discoveries were  frowned upon by religious leaders. Aryabhatta is an inspiring  personality as he stood up against the entire society of blind belief  and established his scientific theories during the period of strict  social norms.</p>

 <p class="who-is-para">Aryabhatta implemented multiple  cultures and idiosyncrasies from the Hindu scriptures to discover  several theories and formulas in Mathematics, one of which was  calculating the area of a triangle and the volume of a sphere that  became the source of origin for various inventions and discoveries in  engineering today. Aryabhatta's discoveries and inventions led to  various other theories in the fields from physics to medicine to  engineering.

 </p>

 <p class="who-is-para">Most of Aryabhatta's initial  inventions received ridicule reactions and were all rejected by  religious elders and people back then. He broke all the religious  stereotypes and social stigma during that time. He rose above all the  difficulties to become the first mathematician and scientist of India  with the discovery of multiple theories on modern science and  mathematics.</p>

 <p class="who-is-para">He was the first to find that the  sidereal year is 365 days, with six hours, 12 minutes, and 30 seconds  working module which varies with three minutes and 20 seconds over the  modern-day value.</p>

 <p class="who-is-para">Aryabhatta wrote multiple books. His  mathematical books deal with various theories about algebra,  trigonometry, quadratic equations, arithmetic, and many more that have  great value and are being used even today.</p>

 <p class="who-is-para">Aryabhata also explained the solar  and lunar eclipses in his book and a proposal that describes the  appearance of the moon due to the reflection of the sunlight. He also  elucidates in his book about the lunar eclipse and the solar eclipse.  He hypothesizes that eclipses take place by the shadow-casting of the  Earth and the moon.</p>

 <p class="who-is-para">The book Aryabhatiya comprises the  description of multiple astronomical instruments invented by Aryabhatta  like the gnomon, a cylindrical stick, shadow instrument, two types of  water clocks- bow-shaped and cylindrical, possibly angle-measuring  devices, umbrella-shaped devices, and semicircular and circular  devices.</p>

 <p class="who-is-para">Aryabhatta died in 550 CE at the age  of 74.</p></b>

 </div>

 </button>

 <div class = "end">

 <nav><h3>Get in touch</h3></nav>

 <nav><p>

 Visionary Talent Projects VTP | Pragathi Central School,  Pragathi Nagar, Opp JNTU, Hyderabad, Telangana - 500090, India.  </p>

 </nav>

 <nav class = "ring-number">

 <button>Ring Us<nav>

 �� +91 - 14369 14369

 </nav>

 </button>

 <button>Email Us<nav>

 �� jps14369.jps@gmail.com

 </nav>

 </button>

 <button>Follow Us<nav class = "instaface">

 <a

href="https://www.instagram.com/visionarytalentprojects/"target=\_blank> Instagram</a> &

 <a href="https://www.facebook.com/"target=\_blank>Facebook</a>  </nav>

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 <p class = "end-titles">© 2023 Visionary Talent Projects VTP.  All Rights Reserved. | Designed By : Team Visionary Talent</p><br>

 </nav>  </div> </body>

</html>