



Project Idea

□ Game Structure: **“Galaxy Explorers – Junior & Master Modes”**

□ Section 1: **Junior Cadets** (Play Group to Class 4)

Key Segment:

1. Alphabet with Space Objects
2. Space Museum
- 3.” *First Galaxy Mission.*”-*With hablu uncle.*
4. Basic Math using space theme.
5. “Place the Planets”- Game

Segment- 1:

Alphabet with Space Objects: A–Z for Kids (Junior Cadets)

Letter	Word	Simple Description for Kids
A	Astronaut	A person who flies in a rocket and explores space.
B	Black Hole	A place in space that pulls everything in—even light!
C	Comet/Captain	A space ball of ice and dust with a glowing tail.
D	Dwarf Planet/Dust in Space	A small planet-like object, like Pluto.
E	Earth	Our home planet where we live.
F	Falcon Rocket	A powerful rocket made by SpaceX.
G	Galaxy	A big group of stars, planets, and dust—our galaxy is the Milky Way!
H	Helmet	What astronauts wear on their heads to stay safe

Letter	Word	Simple Description for Kids
		in space.
I	ISS (International Space Station)/ Ice Planet	A space home where astronauts live and work. Or An ice planet is really cold and has snow! ❄️
J	Jupiter	The biggest planet in our solar system.
K	Kepler	A space telescope that looked for planets far away.
L	Lunar	A word that means “about the Moon.”
M	Moon	A round space rock that goes around Earth.
N	Neptune	The farthest planet from the Sun, blue and cold!
O	Orbit	The path a planet or moon follows around something.
P	Planet	A big ball in space that moves around a star.
Q	Quasar	A super-bright light from faraway space (good for curiosity).
R	Rocket	A fast space vehicle that blasts off to space!
S	Sun	A huge star that gives us light and heat.
T	Telescope	A tool to see faraway stars and planets.
U	Universe	The Universe has everything—stars, planets, and more! 🌟🌍🌀
V	Venus	A hot, bright planet near Earth.
W	Wormhole	A mystery tunnel in space that might go super far!
X	X-ray Stars	Some stars give off X-rays we can’t see—science magic!
Y	Year	The time it takes Earth to go around the Sun once.
Z	Zero Gravity	A place where there’s no weight—astronauts float around!

Segment- 2:

Space Museum-

The app could feature a virtual space museum with several rooms (1, 2, 3, 4...), each room dedicated to a specific space topic. Users can "enter" a room to learn about the topic through text, images, videos, and even interactive quizzes.

Room Layout Structure:

1. Museum Entrance (Welcome Room):

- Space tour guide- Hablu Uncle ke porichoy kore dibe and akta animated structure banabe.

Room 1: The Solar System

Room 2: The Stars and their stories

Room 3 : Bangladesh's Satellite Adventures!

Room 4: NASA's Apollo 11 Moon Landing (1969)

Room 5: The Hubble Space Telescope (1990)

Room 6: Mars Rover Missions (2004-Present)

Room 7: First Woman in Space - Valentina Tereshkova (1963)

Room 8 : The Big Bang Theory (1927)

Segment- 3:

-First Galaxy Mission.”-With hablu uncle:

Kids are just beginning their space journey. Hablu Uncle is training them for their “First Galaxy Mission. ”

Galaxy Explorer – Level 1

- 🎬 **Intro Video:** Hablu Uncle welcomes kids as new **Junior Cadets**.
- ☐ Explains their mission:
“Tumi ekhon ekta **First Galaxy Mission** e jachcho! Shikha, khela aar moja mile ekta awesome journey!” eivabe video te bolbe background a
- 🌍 Planets
- ☀️ Sun
- 🌙 Moon
- ★ Stars
- ☄️ Comets
- 🌌 Galaxy
- 🛰️ Satellites

Segment- 4:

Basic Math Using Space Theme

Addition, subtraction, comparison moja kore shekha

☒ Topics:

- Count rockets, stars, moons (1–10)
- Addition & subtraction using rockets/aliens
- Big vs small planet



Segment- 4:

“Place the Planets”- Game

Topic	Teach by
Distance from Sun	Orbit game with distance line
Temperature	Color-coded planets (red = hot, blue = cold)
Name & Order of Planets	Animation + drag to orbit game
Size Comparison	Interactive scale game (Which is bigger?)

▣ Game Examples:

☒ *Game Name: “Place the Planets”*

☒ **Goal:** Kids must place the 8 planets in correct order from the Sun.

☒ **Game Design Overview:**

☒ **Screen Layout:**

- ☒ Left side: **Sun** (fixed position)
- ☒ Right side: **8 empty orbit slots** labeled: 1st, 2nd, ..., 8th
- ☒ Bottom/Top area: **Planets (Mercury —Neptune)** in **random order**, draggable

☒ **Learning Focus:**

<i>Planet</i>	<i>Position</i>	<i>Mnemonic</i>
<i>Mercury</i>	<i>1st</i>	<i>My</i>
<i>Venus</i>	<i>2nd</i>	<i>Very</i>
<i>Earth</i>	<i>3rd</i>	<i>Educated</i>
<i>Mars</i>	<i>4th</i>	<i>Mother</i>
<i>Jupiter</i>	<i>5th</i>	<i>Just</i>
<i>Saturn</i>	<i>6th</i>	<i>Served</i>
<i>Uranus</i>	<i>7th</i>	<i>Us</i>
<i>Neptune</i>	<i>8th</i>	<i>Nachos</i>

(Use fun voice/audio mnemonics from "Hablu Uncle" as hints!)

Section 2: **Master Cadets** (class 4 – class 10)

Key Segment:

1. Learning part (planets)
2. quiz
3. Leaderboard

Suggested Flow: “Which Planet Will You Explore Today?”

Example: **Mars**

- 🎤 Intro by “ Hablu Uncle”: “ Mars ke bole Red Planet . Cholo dekhi keno!”
- 📁 Sections:
 - Surface & Weather
 - Moons (Phobos & Deimos)
 - Missions (Rover, Humans?)
 - Life Possibilities
 - Mini Mars Quiz