

Exploring Celestial Bodies

Summary

Subject/Discipline	Language and communication- mother tongue	
Theme	The secrets of the universe	
Age group	5-6	
Main topic	A story/poem/ free discussion/game on the topic	
Key concepts	<ul style="list-style-type: none">● Universe● Celestial bodies	<ul style="list-style-type: none">● Solar system

Learning Objectives

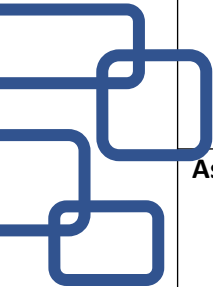
<ul style="list-style-type: none">● Identify and describe various celestial bodies in our solar system● Understand the concept of scale and relative distance in the solar system	<ul style="list-style-type: none">● explore and learn more about celestial bodies using digital tools
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Equipment/material needed

<ul style="list-style-type: none">● Computer or tablet with internet access	<ul style="list-style-type: none">● Whiteboard and markers
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<ul style="list-style-type: none"> ● Projector and screen ● Images, videos, and interactive websites related to celestial bodies 	<ul style="list-style-type: none"> ● Paper and coloured pencils
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Lesson Outline		
Phase of the lesson	Duration	Description
	5 mins	<ul style="list-style-type: none"> - Begin by discussing what students already know about space and celestial bodies. Ask questions like, "What is the sun?", "Do you know the names of any planets?", and "What do you think the moon is?" - Introduce the topic of today's lesson: exploring celestial bodies in our solar system using digital tools.
Main activity	15 mins	<p>Exploring the Solar System</p> <ul style="list-style-type: none"> - Show students a high-quality image of the solar system on the screen and explain that our solar system consists of the sun, eight planets, and other celestial objects. - Introduce the concept of scale by discussing the size and distances in the solar system. Use a visual aid to show the relative size of the planets and their distances from the sun. - Show a short video (e.g., a YouTube video) that briefly introduces each planet. Pause after each planet to discuss its unique characteristics.
	10 mins	<p>Digital Exploration</p> <ul style="list-style-type: none"> - Have students access a kid-friendly website or app (e.g., NASA's "Solar System Exploration" or an educational app with solar system content) on their computers or tablets. - In pairs or small groups, students can explore the digital tool to gather more information about the celestial bodies. They can learn facts, view images, and watch videos about the planets, the sun, and the moon.
	10 mins	<p>Sharing Discoveries</p>



		<ul style="list-style-type: none"> - Invite each pair or group to share one interesting fact they learned about a celestial body. - As they share, write these facts on the whiteboard so that the whole class can see and discuss them.
	5 mins	<p>Follow-up activity</p> <ul style="list-style-type: none"> - Provide each student with a piece of paper and colored pencils. - Ask them to draw a picture of their favorite celestial body, along with a short sentence describing what they find most interesting about it.
Assessment	5 mins	<ul style="list-style-type: none"> - Summarize the main points of the lesson, including the scale of the solar system and the names and characteristics of the celestial bodies. - Encourage students to continue exploring space and learning about the universe.

Conclusions and recommendations	
<ul style="list-style-type: none"> ● Encourage students to ask their parents or guardians to help them find more information about space and celestial bodies at home. ● Assessment for this lesson could include reviewing the drawings and sentences students create during the follow-up activity. 	<ul style="list-style-type: none"> ● You can ask students questions to gauge their understanding of the solar system, such as identifying the planets or describing the sun's role in the solar system.

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Project website www.preedtech-project.eu

