Y5-6 Cycle A Spring 1 MTP: Earth and Space

SUBJECT	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6
Science	**Is the Earth flat?** ✓ **To know that the Sun, Earth and Moon are approximately spherical bodies.** ✓ To explain, with support, how scientific ideas have developed over time. (WS)	**What is our solar system like?** **SESSION 2C** ✓ **To know that the planets in the Solar System orbit the Sun.** ✓ **To know that the planets orbit the Sun in and ellipse shape.** ✓ To take measurements with increasing accuracy and precision, using a range of equipment, including scaled measurements. (WS)	**What is the moon like and how does it travel around the Earth?** **SESSION 4A** ✓ **To know that the Sun, Earth and Moon are approximately spherical bodies.** ✓ **To know that a moon is a celestial body that makes an orbit around a planet.** ✓ **To know that planets in the Solar System have different numbers of moons.** ✓ To explore ideas and identify different kinds of questions, with support, to be answered in scientific enquiry. (WS) ✓ To select and plan the most appropriate type of scientific enquiry to answer a scientific question, with support. (WS) ✓ To identify, with support, the different variables in a fair or comparative test e.g., control, dependent, independent. (WS) ✓ To explain, with support, which variables need to be controlled and why, when conducting a fair or comparative test. (WS) ✓ To explain how measurements and observations will be taken accurately, with support. (WS) ✓ To take measurements with increasing accuracy and precision, using a range of equipment, including scaled measurements. (WS) ✓ To know whether to take repeat readings, using this knowledge to explain why, with support. (WS)	**What is “A Giant Leap For Mankind”?** ✓ **To explain, with support, how scientific ideas have developed over time. (WS)** ✓ **To know why it is important to develop scientific knowledge of unknown areas e.g., Space.**	**Did humans really land on the moon?** **Session 6C** ✓ **To identify evidence that refutes or supports a scientific idea, with support. (WS)** ✓ **To report and present findings from scientific enquiries in a variety of ways (presentations, displays etc.) including both oral and written forms, with increasing confidence. (WS)**	**How important is space exploration?** **Session 7C** ✓ **To analyse results and forms conclusions which answer scientific enquiry questions, with support. (WS)** ✓ **To report and present findings from scientific enquiries in a variety of ways (presentations, displays etc.) including both oral and written forms, with increasing confidence. (WS)**
	What is our solar system like? **SESSION 2A** ✓ **To know that the Sun is a star.** ✓ **To know and name the eight planets in the Solar System.**	**How does the Earth’s movement affect us?** **SESSION 3A** ✓ **To know that the Earth rotates at an angle.** ✓ **To know that the Earth’s rotation on its axis causes day and night.** ✓ **To know that the Earth’s rotation is the movement that appears to cause the Sun to move across the sky.** ✓ **To know that one full rotation of the Earth is approximately 24 hours; a day.**	**What is the moon like and how does it travel around the Earth?** **SESSION 4B** ✓ **To know that the Moon orbits the Earth.** ✓ **To know the Moon orbits the Earth approximately once every 28 days.** ✓ **To know that the Moon does not change shape, but its apparent change in shape is due to the position of the Sun, Earth and Moon.**	**Did humans really land on the moon?** **Session 6A** ✓ **To explain, with support, how scientific ideas have developed over time. (WS)** ✓ **To know why it is important to develop scientific knowledge of unknown areas e.g., Space.** ✓ **To explore ideas and identify different kinds of questions, with support, to be answered by scientific enquiry.**	**How important is space exploration?** **Session 7A** ✓ **To know why it is important to develop scientific knowledge of unknown areas e.g., Space.** ✓ **To use a range of equipment, appropriately and accurately, with support, to take readings and observations in scientific enquiries. (WS)** ✓ **To identify different causal relationships and trends in data, with support. (WS)**	**“How Does Space and The Solar System Impact on Our Modern World?** **ASSESSMENT** ✓ **To report and present findings from scientific enquiries in a variety of ways (presentations, displays etc.) including both oral and written forms, with increasing confidence. (WS)**

Y5-6 Cycle A Spring 1 MTP: Earth and Space

			✓ To know the apparent changes in shape of the Moon are known as the phases of the Moon. ✓ To know what a lunar and solar eclipse is and to describe them in simple terms.		✓ To use relevant and accurate scientific language to discuss, communicate and justify scientific ideas, with support. (WS)	
	What is our solar system like? **SESSION 2B**	**How does the Earth's movement affect us?** **SESSION 3B**		**Did humans really land on the moon?** **Session 6B**	**How important is space exploration?** **Session 7B**	
	✓ To know that an orbit is the path of an object around a particular point in space. ✓ To know that the planets in the Solar System orbit the Sun. ✓ To identify secondary sources which support ideas and findings, separating fact from opinion, with support. (WS)	✓ To know that the Earth's rotation is the movement that appears to cause the Sun to move across the sky. ✓ To know that one full rotation of the Earth is approximately 24 hours; a day.		✓ To identify evidence that refutes or supports a scientific idea, with support. (WS) ✓ To report and present findings from scientific enquiries in a variety of ways (presentations, displays etc.) including both oral and written forms, with increasing confidence. (WS)	✓ To predict wider results and trends based on the analysis of data gathered, with support. (WS) ✓ To use a range of equipment appropriately and accurately, with support, to take readings and observations in scientific enquiries. (WS) ✓ To analyse results and forms conclusions which answer scientific enquiry questions, with support. (WS)	