

Lesson	Objectives	Scientific inquiry	Equipment list:
1. Do objects move in space?	<ul style="list-style-type: none"> • Know the different objects commonly found in space • Know the structure of our solar system • Know what is meant by a year 	Secondary research – Pupils use the booklet to understand that a year is the time it takes a planet to orbit the Sun in our solar system.	Booklet
2. Why do we have day and night?	<ul style="list-style-type: none"> • Know that Earth rotates on its axis • Know what is meant by a day • Explain why the Sun appears to move across the sky 	Secondary research – Pupils use the booklet to understand that a day is the time it takes a planet to complete a full rotation on its axis.	Booklet
3. Does the Moon change shapes?	<ul style="list-style-type: none"> • Know that Moons orbit planets • Know some Moon phases • Describe some uses of artificial satellites 	Labelled diagram of the Moon phases (Visual representation through modelling)	Worksheet (PowerPoint slide 6), Booklet
4. Can we use celestial objects to tell the time?	<ul style="list-style-type: none"> • Know that the Sun casts shadows on Earth • Know what a sundial is • Make a model sundial 	Modelling – Make a sundial	Paper plate, large stone (paperweight), straw, plasticine, sunny area away from shadows
5. What is the Geocentric model of the solar system	<ul style="list-style-type: none"> • Know early ideas about the solar system • Know what the Geocentric model is • Know why people accepted the Geocentric model 	Modelling - Labelled diagram (Poster) – visual representation of the Geocentric model of the solar system	Various crafts

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6. What is the Heliocentric model of the solar system?	<ul style="list-style-type: none">• Know newer ideas about the solar system• Know what the Heliocentric model is• Know why the Heliocentric model was accepted	Modelling - 3D/ visual representation of the Heliocentric model of the solar system	Different sized foam balls, paints, wooden skewers
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