

Lessons per week: 1

Group(s): Weir Lynn

Students will show achievement by understanding the position of our planet in the solar system and gain knowledge of sun and moon. There are opportunities for practical work which links to independence. The power point presentations will link to communication, and group work is a vital part of this unit to share their ideas.

Week	Topic	Learning Intentions	Tasks	Assessed LIs
W1	The Night Sky	<ul style="list-style-type: none"> To be able to recall at least 5 things that are in the night sky To understand our place in the universe To understand how big the universe is 	<ul style="list-style-type: none"> You tube clips showing the universe Creating a picture or Clicker 7 about the night sky Kahoot to assess prior knowledge 	I can <ul style="list-style-type: none"> List at least 5 things I can see in the night sky
W2	Moon Phases	<ul style="list-style-type: none"> To know the moon is a rock To know the moon orbits the Earth To recall the phases of the moon 	<ul style="list-style-type: none"> They will create a model of the different phases of the moon and create a moon phase flip chart book 	I can <ul style="list-style-type: none"> Communicate I know the moon is a rock that orbits the Earth Create a model of phases of the moon
W3	Moon and Gravity	<ul style="list-style-type: none"> To know how gravity is different on the moon due to its size 	<ul style="list-style-type: none"> Students will learn about gravity and why it is less than ours on the moon. They will have an introduction to forces, mass and weight. Students will also read a poem about the moon and create their own poem 	I can <ul style="list-style-type: none"> Explain why gravity is greater on the moon Create a poem about the moon
W4	Space travel	<ul style="list-style-type: none"> To know the history of space travel and why it is important To understand the development in travel To know the contributions of scientists to space travel 	<ul style="list-style-type: none"> Students will create their own time line of important space events They will learn the contributions scientist have made to space exploration e.g. Mae Jemison 	I can <ul style="list-style-type: none"> Draw a timeline of important dates for space travel Communicate important contributions made by scientists

Week	Topic	Learning Intentions	Tasks	Assessed LIs
W5	Life in Space	<ul style="list-style-type: none"> • To understand how life is different in space • To debate opinions 	<ul style="list-style-type: none"> • Students will research about space now, life on the international space station and consider things such as space junk as well as future endeavours such as the Mars mission Students will decide what they would take into space. • They will also debate such questions as is space exploration necessary, would they be a space tourist? Would they go on the Mars mission? Is there alien life? 	<p>I can</p> <ul style="list-style-type: none"> • Explain how life is different in space
W6	Rocket Investigation	<ul style="list-style-type: none"> • To develop science skills of fair test • To introduce the idea of friction 	<ul style="list-style-type: none"> • Students will make their own space rocket and investigate how far it travels using different variables such as balloons and string considering fair test. 	<p>I can</p> <ul style="list-style-type: none"> • Explain how the investigation was a fair test • To explain what is meant by friction