

Aut 1 – What does it take to launch Y6 into Space?

Objective	
Essential learning objective	Milestone indicators
<p>Science To understand evolution and inheritance</p>	<ul style="list-style-type: none"> Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution. Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.
<p>Science To understand movement, forces and magnets</p>	<ul style="list-style-type: none"> Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. Identify the effect of drag forces, such as air resistance, water resistance and friction that act between moving surfaces. <i>Describe, in terms of drag forces, why moving objects that are not driven tend to slow down.</i>
<p>Science To understand the Earth's movement in space</p>	<ul style="list-style-type: none"> Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. Describe the movement of the Moon relative to the Earth. Describe the Sun, Earth and Moon as approximately spherical bodies. Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.
<p>Geography To communicate geographically</p>	<ul style="list-style-type: none"> Describe and understand key aspects of: <ul style="list-style-type: none"> physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes and the water cycle. human geography, including: settlements, land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals, and water supplies. Use the eight points of a compass, four-figure grid references, symbols and a key (that uses standard Ordnance Survey symbols) to communicate knowledge of the United Kingdom and the world. Create maps of locations identifying patterns (such as: land use, climate zones, population densities, height of land).
<p>D.T. To master practical skills Materials</p>	<ul style="list-style-type: none"> Cut materials with precision and refine the finish with appropriate tools (such as sanding wood after cutting or a more precise scissor cut after roughly cutting out a shape). Show an understanding of the qualities of materials to choose appropriate tools to cut and shape (such as the nature of fabric may require sharper scissors than would be used to cut paper).
<p>RE To understand beliefs and teachings</p>	<ul style="list-style-type: none"> Explain how some teachings and beliefs are shared between religions.
<p>PE To develop practical skills in order to participate, compete and lead a healthy lifestyle</p>	<ul style="list-style-type: none"> Choose and combine techniques in game situations (running, throwing, catching, passing, jumping and kicking, etc.). Work alone, or with team mates in order to gain points or possession. Choose the most appropriate tactics for a game. Uphold the spirit of fair play and respect in all competitive situations. Lead others when called upon and act as a good role model within a team.
<p>French To speak confidently To write imaginatively</p>	<p>Give a short prepared talk that includes opinions. Write a few short sentences using familiar expressions. Use dictionaries or glossaries to check words.</p>
<p>Computing</p>	<p>Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.</p>