

The Engineering Journey - Relevant Experiences and Outcomes

Social Studies	Sciences	Technologies	Numeracy and Mathematics
<p>I can discuss the environmental impact of human activity and suggest ways in which we can live in a more environmentally responsible way. SOC 2-08a</p>	<p>By investigating floating and sinking of objects in water, I can apply my understanding of buoyancy to solve a practical challenge. SCN 2-08b</p>	<p>I can extend and enhance my design skills to solve problems and can construct models. TCH 2-09a</p>	<p>I can display data in a clear way using a suitable scale, by choosing appropriately from an extended range of tables, charts, diagrams and graphs, making effective use of technology. MTH 2-21a / MTH 3-21a</p>
<p>I can consider the advantages and disadvantages of a proposed land use development and discuss the impact this may have on the community. SOC 2-08b</p>	<p>By investigating how friction, including air resistance, affects motion, I can suggest ways to improve efficiency in moving objects. SCN 2-07a</p>	<p>I can recognise basic properties and uses for a variety of materials and can discuss which ones are most suitable for a given task. TCH 2-10a</p>	<p>Can carry out practical tasks and investigations involving timed events and can explain which unit of time would be most appropriate to use. MNU 2-10b</p>
<p>Having explored the ways journeys can be made, I can consider the advantages and disadvantages of different forms of transport, discussing their impact on the environment. SOC 2-09a</p>	<p>Through research and discussion I have an appreciation of the contribution that individuals are making to scientific discovery and invention and the impact this has made on society. SCN 2-20a</p>	<p>I can extend my knowledge and understanding of engineering disciplines to create solution. TCH 2-12a</p>	<p>Using simple time periods, I can give a good estimate of how long a journey should take, based on my knowledge of the link between time, speed and distance. MNU 2-10c</p>
<p>To extend my mental map and sense of place, I can interpret information from different types of maps and am beginning to locate key features within Scotland, UK, Europe or the wider world. SOC 2-14a</p>	<p>Can report and comment on current scientific news items to develop my knowledge and understanding of topical science. SCN 2-20b</p>		