

## Key Stage 3 Overview: Science Year 8

	Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
<b>Year 8</b>	<p>University Challenge: I'm an engineer get me in here.</p> <p>Context in school:</p> <p>Students build on the previous year's work and explore how scientists report information Students design and plan their own experiments.</p> <p>Skills: How to write an abstract How to write an evaluation How to write full methods How to plan an experiment</p>	<p>University challenge: Theatre</p> <p>Context in schools:</p> <p>students learn about the lighting and sound systems in a theatre</p> <p>Skills: How to make light different colours and what happens to in a filter How to change the path of light How to make sound travel at different speeds How to evaluate the hearing range of an audience</p>	<p>University challenge: Recycling</p> <p>Context in school:</p> <p>How recycling happens and why we should do it</p> <p>Skills: Pupils can explain how population affects the broader environment and the need for recycling. How materials can be recycled and why they need to be Be able to estimate consumption of materials and assess the problems of consumption of materials Be able to discuss socio-scientific skills</p>	<p>University challenge: Brunel Museum</p> <p>Context:</p> <p>How to create a tunnel and a steam engine</p> <p>Skills Students understand the rock cycle and can determine the type of rock through characteristics Students learn how to make fossil fuels Students learn about how to make motion out of burning fuels</p>	<p>University challenge: Extreme Re-design</p> <p>Context:</p> <p>How to design a space ship of the future</p> <p>Skills: Name and identify all of the planets Explain what the needs of a future spacecraft is Be able to explain what the human body requires Be able to explain the needs of space travel in terms of pressure, heat, exercise and diet.</p>	<p>University challenge: Community:</p> <p>Context: Students look at how disease is linked to inheritance and sex transmitted diseases and pupils learn about the importance of good education to healthcare</p> <p>Skills: What sex is What inheritance is How to use punnet squares How to ensure that sexually transmitted diseases are stopped How to limit the problems caused by inherited diseases How to use epidemiology</p>