

Achieve Higher

Year 10



Co-op Academy
Stoke-on-Trent

SUBJECT NAME: Engineering				
Half Term	Curriculum	Reading	Watching & Listening	Other Opportunities
Autumn Term	<p>Engineering Disciplines</p> <p>Health And Safety Legislation</p> <p>Use of CAD in Engineering</p>	<p>RIDDOR - Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013</p> <p>Control of Substances Hazardous to Health (COSHH)</p>	<p>How levers pulleys and gears work</p> <p>How It's Made Eyeglass Lenses</p>	<p>Log in to fusion https://fusion.online.autodesk.com/ and work through some tutorials to learn new skills</p> <p>https://www.youtube.com/playlist?list=PLrZ2zKOtC-C4rWfapngoe9o2-ng8ZBr</p>
Spring Term	<p>Material Properties and Characteristics</p> <p>Engineering Tools</p>	<p>Everyday Materials: Metals</p> <p>Wood Work</p>	<p>How it's made - plastic bottles</p> <p>How it's made: Construction wood</p>	<p>Visit the Science Industry museum - Free tickets can be booked using the link (Manchester) https://www.scienceandindustrymuseum.org.uk/</p>
Summer Term	<p>Engineering Drawings</p> <p>Science and Maths Principles in Engineering</p>	<p>Exactly: How Precision Engineers Created the Modern World</p>	<p>Understanding Engineering Drawings</p>	<p>Explore career and learning opportunities in engineering https://www.theiet.org/career/</p>