



Design & Technology – Y9 Learning Outcomes

Skill	Foundation	Developing	Securing	Exceeding	Excelling
Design	<p>Students can conduct and use research and exploration.</p> <p>Produce a range of basic sketches.</p> <p>Some basic specification points, sketches and annotation are produced.</p>	<p>Students can use research and identify user needs.</p> <p>A developed specification is produced.</p> <p>Students produce three dimensional drawings/modelling for ideas.</p>	<p>Students can use research, identify user needs and solve design problems.</p> <p>A developed specification is produced responding to needs.</p> <p>Students produce creative ideas.</p>	<p>Students use detailed research, solving and reformulating design problems.</p> <p>Students use a variety of approaches for ideas.</p> <p>A detailed specification is produced, responding to needs in a variety of situations.</p>	<p>Students use detailed research; solving and reformulating design problems.</p> <p>They have a wide variety of approaches for ideas.</p> <p>Developed specification is produced, responding to needs in a variety of situations.</p>
Make	<p>Students can use basic/specialist tools and equipment.</p>	<p>Students can use specialist tools, equipment and machinery.</p>	<p>Students can use specialist tools, equipment and machinery precisely.</p>	<p>Students can use specialist tools, equipment and machinery precisely including CAD/CAM.</p>	<p>Students can use specialist tools, equipment and machinery precisely including CAD/CAM. They use a wider, more complex range of materials.</p>
Evaluate	<p>Students can test and evaluate ideas.</p>	<p>Students can test, evaluate and refine ideas.</p>	<p>Students can test, evaluate and refine ideas against specifications and take into account user needs.</p>	<p>Students use detailed testing, evaluating and refining ideas against specifications and take into account user needs.</p>	<p>Students use detailed testing and evaluating; they refine ideas against specifications and take into account users needs.</p>
Technical Knowledge	<p>Students can understand and use the properties of materials.</p>	<p>Students can understand properties of materials, the performance of structural elements and achieve functional solutions.</p>	<p>Students can understand more advanced systems in their products.</p>	<p>Students have a good understanding of more advanced systems in their products.</p>	<p>Students understand more advanced systems in their products and apply computing and electronics.</p>