

<p><b>Y7</b></p>	<p><b>Skills:</b> A wide range of practical skills involving both fine and gross motor skills, working safely, communication, collaboration, product analysis, presentation skills, working to a design brief, product analysis, presentation skills, problem solving, planning, sequencing resilience and the ability to use CAD          Knowledge plastics, simple circuits, resistors, transistors, inputs and outputs, environmental issues, nutrients in food, eating seasonally, healthy eating, acronyms to aid re-call.</p> <p><b>Assessment.</b> Peer assessment to critically evaluate work and enhance familiarisation with the assessment criteria.          Teacher assessment to provide feedback to further improve skills.</p> <p><b>Links</b> (to other curriculum areas or other key stages in your subject): Circuits in Year 7 physics, Environmental Issues in Year 8 Chemistry and in Geography. Nutrients and healthy eating Biology. Fairtrade Day Year 7 Citizenship. Skills all link through to higher years.</p>
<p><b>Y8</b></p>	<p><b>Skills:</b> Developing all the skills taught in year 8 and programming, working to a deadline, quality control, alternative methods of manufacture, selecting appropriate equipment.</p> <p><b>Knowledge:</b> Wood, mechanisms, Cams, cranks, programmable circuits, food allergies and intolerances, cultural variation in diet, CAD.</p> <p><b>Assessment:</b> Peer assessment to critically evaluate work and enhance familiarisation with the assessment criteria.          Teacher assessment to provide feedback to further improve skills.</p>
<p><b>Y9</b></p>	<p><b>Skills:</b> Continuing to develop all the skills introduced earlier in the course plus peer support and using a wider range of specialist equipment.</p> <p><b>Knowledge:</b> Metal, gears, hardware circuits, counters and timers.</p> <p><b>Assessment:</b> Peer assessment to critically evaluate work and enhance familiarisation with the assessment criteria.          Teacher assessment to provide feedback to further improve skills.</p>

This course promotes creating levels of confidence and competence.