



Subject: Design and Technology

Year Group: 7

Students will sit a formal assessment at the end of each rotation (**Half Term 2, Half Term 4 and Half Term 6**) in which they will be assessed on the skills and theory knowledge as part of the rotation which includes knowledge of key terms and health and safety. The assessment they sit will depend on the area of design and technology they have studied in that term based on the rotation of subjects.

Topic	Textiles	Food Technology	Materials
Summative Assessment Summary:	<ul style="list-style-type: none">• Health and safety• Understanding sewing machines• Stitch techniques• Textiles equipment• Care labels• Smart and modern materials	<ul style="list-style-type: none">• Personal hygiene• Health and safety• Food senses• Eatwell guide	<ul style="list-style-type: none">• Health and safety• Machinery in the workshop• CAD – 2D design• CAM – Laser cutter• Timbers – hardwoods, softwoods and manufactured boards

Year Group: 8

Students will sit a formal assessment at the end of each rotation (**Half Term 2, Half Term 4 and Half Term 6**) in which they will be assessed on the skills and theory knowledge as part of the rotation which includes knowledge of key terms and health and safety. The assessment they sit will depend on the area of design and technology they have studied in that term based on the rotation of subjects.

Topic	Electronics	Food Technology	Materials
Summative Assessment Summary:	<ul style="list-style-type: none">• Health and safety• Circuit symbols• Input and output devices• Polymers• Production aids• Tools and Processes• CAD and CAM	<ul style="list-style-type: none">• Seasonality• Food miles• Micronutrients• Macronutrients• Vegetarianism• Food Poisoning	<ul style="list-style-type: none">• Health and safety• Machinery in the workshop• CAD and CAM• Wood joints• Scales of production• Tools and processes• Maths in DT

Year Group: 9

Students will sit a formal assessment at the end of each rotation (**Half Term 2, Half Term 4 and Half Term 6**) in which they will be assessed on the skills and theory knowledge as part of the rotation which includes knowledge of key terms and health and safety. The assessment they sit will depend on the area of design and technology they have studied in that term based on the rotation of subjects.

Topic	Materials 1 Passive Amplifier	Food Technology	Materials 2 – Sweet Dispenser
Summative Assessment Summary:	<ul style="list-style-type: none">• Health and safety• CAD – 2D design• Design communications – 2 point perspective• Timbers• Hand tools	<ul style="list-style-type: none">• Roles in industry• Role of EHO• Food miles• Cross-contamination• Special diets• Food groups	<ul style="list-style-type: none">• Health and safety• Wood joints• Strategies to avoid design fixation• Design communication – Orthographic projection