

What will I be learning in Design & Technology during year 7, 8 and 9?

What will I learn in year 7?

Food and Nutrition



What is a balanced diet?

-An introduction to the Eatwell guide.
-Preparing products from the food groups... Apple Crumble, Fruit smoothie, Pizza, Fajitas and cupcakes. Getting to know the food room.

Novelty light



Electronic components and basic circuits

-Application of electronic components.
-Exploring CAD/CAM applications.
-An introduction to 2D Designer.
-Sustainability and energy use.
-Shaping plastics (Press forming).

Chocolate mould



Polymers and polymer processes

-Where do plastics come from?
-How can plastics be shaped?
-Exploring the vacuum forming process.
-Moulding and shaping chocolate.
-Packaging design and manufacture.

What will I learn in year 8?

Food and Nutrition



What is the function of food?

-The benefits of each food group.
-Developing cooking skills as you prepare Banana Bread, Cheesecake, pasta bake, burgers and jam tarts.

Electric race car



Motion and mechanisms

-Types of motion
-Application of mechanisms
-Exploring the factors which effect vehicle performance.
-Working with a range of materials.
-Former production and vacuum forming.
-Construction techniques

USB LED light



Timber based materials

-Working with electronic components.
-The environmental impact of electronic products.
-Exploring circuit construction techniques.
-Cutting, shaping and finishing mixed materials.

What will I learn in year 9?

Food and Nutrition



The nutritional value of food

-The health benefits of a balanced diet.
-The role of nutrients in our bodies.
-Preparing nutritional meals including pizza bombs, chicken Stir-Fry, Swiss roll, sweet potato curry and spaghetti carbonara.

Design styles clock



The History of design

-Exploring design movements.
-How do products evolve?
-Developing a designer product.
-Plastics processes
-Exploring CAD/CAM (vinyl cutting).

Pewter casting



Metals and metal processes

-Metals, metal processes and their applications.
-Cutting, shaping and finishing metals.
-Using CAD/CAM (Laser cutting).
-Exploring the casting process.