

DT * students work on a carousel in order to study multiple aspects of Design Technology and so may not be taught these topics in this order. Practical skills may be amended due to Covid restrictions.

Module 1

Subject: DT
Topic Title: Design skills
Brief Summary of Content Studied: Exploring a range of techniques used within DT to communicate designs effectively
Knowledge Organiser: Design Communication

Module 2

Subject: DT
Topic Title: Design processes
Brief Summary of Content Studied: Introduction to the design process that is followed to create functioning (working) products. Students will be expected to follow the design process to design a range of products.

Module 3

Subject: DT
Topic Title: Healthy Eating
Brief Summary of Content Studied: Understanding the functions of nutrients may change perspectives to encourage personal responsibility. This year pupils will extend their knowledge of key nutrients- looking at food sources and the functions within the body. Pupils will also use this knowledge to further their understanding of healthy meal planning and planning for a range of dietary needs. At the end of this topic pupils will also look at health problems related to poor diets and how this can be treated or prevented through healthier food choices.
Knowledge Organiser: Food and Nutrition

Module 4

Subject: DT
Topic Title: Plastic Fantastic
Brief Summary of Content Studied: An investigation of the impact of plastic on the environment and how we can lessen this at home and school.
Knowledge Organiser: Plastic Fantastic

Module 5

Subject: DT
Topic Title: Workshop Skills
Brief Summary of Content Studied: Students will gain their workshop "licence" through a range of explorations, practical tasks and evaluations using a variety of natural and synthetic timbers.
Knowledge Organiser: Pewter Casting

Module 6

Subject: DT
Topic Title: Introduction to CAD/CAM
Brief Summary of Content Studied: Students to consider the impact of modern technology on the design industry and evaluate the benefits / disadvantages of the ever changing workforce. Students will begin to explore CAD (Computer Aided Design) programmes.
Knowledge Organiser: Design 2D