

Design and Technology in Year 7



Course Description

Throughout Year 7 students will be given the opportunity to develop skills in a range of Design and Technology areas. The projects are designed to inspire the students and to encourage them to understand and explore materials in food, resistant materials, textiles, graphics, electronics and CAD/CAM.

Students will be taught on a rotation of the above subjects to ensure they can develop skills across all areas.

Course Content

Food Technology

- Healthy Eating and Diet
- Basic Food Preparation
- Themed design project

Resistant Materials

Working with hardwoods and manufactured boards to create a spatula and jigsaw puzzle.

Textiles

Students develop basic sewing and fabric manipulation skills in a soft toy design and make project.

Graphics

Studying what graphic designers do and developing healthy packaging nets

Electronics

Examining electronic inputs and outputs to create a fuse tester

CAD - CAM

Studying how computer aided design and manufacturing can make useful products

Gifted and Talented Provision:

Students are encouraged to exceed target levels in Year 7 through the use of Schemes of Work designed to prepare students for transition into Key Stage 4.

Extracurricular Opportunities:

- Access to computer suite for design technology homework.

Assessment

- Students are assessed on the projects they complete in each course area and over the year will be assessed on each part of the programme of study from the National Curriculum
- Assessments will be used to track student progress, inform decisions about sets and create individual targets which will raise student aspirations



Equipment Required:

- Pen, Pencil, Ruler, pencil sharpener & Rubber.

Useful Websites

BBC.co.uk/Bitesize

Technologystudent.com

mr-dt.com