



SUBJECT: Design Technology

YEAR: 8

HEAD OF DOMAIN: Mrs Nelmes

GROUPING POLICY: Mixed ability

COURSE CONTENT

Curriculum Intent

In Year 8 Design and Technology continues to be an inspiring, rigorous and practical subject building on skills from Year 7. During this year students use creativity and imagination to design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values.

They acquire a broad range of subject knowledge across six projects and draw on disciplines such as mathematics, science, engineering, computing, literature and art. They are encouraged to take risks, be resourceful and innovative. The evaluation of past and present designers and their impact on design continues throughout the year.

What will my child learn?

Projects include:

- **The Wonderful World of Food** - students learn where food comes from and gain the knowledge to be able to make sensible and informed decisions when buying ingredients. Practical food sessions allow students to gain a deeper understanding of foods from around the world.
- **Under The Sea** - students learn how to modify fabrics expanding their knowledge of fibres, fabrics and surface decoration techniques resulting in a decorated cushion cover.
- **Dyson** - students are introduced to industrial design and producing a product to solve a real life problem.
- **Food Smart** - Students' knowledge on nutrients is developed further, they learn to appreciate that people need a different amount of nutrients at different stages in their life and the health issues of dietary excess and deficiency. Practical activities look at how recipes can be modified for health.
- **Circus** - Students create a set of juggling balls as part of a merchandise range for a travelling circus.
- **Steampunk** - a creative project that examines what the Victorians did for design and how it influences Steampunk. The project culminates in a clock.
- Students also undertake an engineering activity in conjunction with Dursley Rotary Club.

What will homework look like?

Homework will take many forms in both content and length; and may include things such as design tasks, DT maths skills and reading.

ASSESSMENT

How will my child's work be assessed?

- Students will be assessed in a variety of different ways which will include demonstrating practical skills, applying theoretical knowledge to a variety of situations including analysis, design and evaluation.
- Students will also complete a selection of traditional style examination questions.

ADDITIONAL INFORMATION

What can you do to support your child in D&T?

- Visit exhibitions and galleries which would keep your child informed of current and past design movements, designers, architects and illustrators.
- Encourage your child to help prepare meals to develop their cooking skills.
- Encourage your child to practice drawing skills at home – looking at objects and products around home.
- Wider reading and useful web-sites or activities to support learning: Encourage your child to complete additional research. Websites such as www.technologystudent.com and www.bbc.co.uk/schools/gcsebitesize/design/ are good.