

Year 7 Technology Curriculum

Autumn Term 2018-19



In year 7, pupils experience Design and Technology whilst working with a range of materials. They do not all complete the year's curriculum in the same order. However, throughout the year, all areas are covered.

The year's curriculum is divided as follows:

For half of the year pupil will be working with Food for one period per week and other areas of DT for the other. During the other half of the year they will be working in those other areas for 2 periods per week

Curriculum Content: Food	Assessment	What homework will they have?	I'm not an expert, so how can I help?
<p>What will my child be studying this term?</p> <ul style="list-style-type: none">• Why is hygiene and safety important in Food and Catering?• Why are knife skills essential?• What are the functions of ingredients in the dishes we make?• What does a healthy diet mean?• Do people have different diets? Why?		<p>A small corner shop wishes to serve a range of interesting, well balanced and filling snacks as part of its lunchtime takeaway service. You have been asked to design and develop one of the new snacks.</p> <p><u>Week 1</u> - Make a list or a spider diagram of suitable existing similar foods. Create an image board of similar products available.</p> <p><u>Week 2</u> - Carry out a market research and find out different types of snack foods sold in the shops, make a list of both savoury and sweet types.</p> <p><u>Week 3</u> - Design a questionnaire and carry out a survey to find out the type of snacks people prefer, where they buy their snack from, when they eat snacks, how much they spend each week on snacks.</p> <p><u>Week 4</u> - Design a snack and evaluate why you feel this is suitable.</p>	

Content covered:

Theory work covered; Hygiene and safety, functions of ingredients, the Eatwell guide. How to evaluate food products

Practical work will include: practical that develop students understanding of using equipment such as knives, the oven and the hob. Dishes made include; fruits salad, pizza toast, crumble, savoury scones and ratatouille.

Student will also have the opportunity to plan and make a dish using a design brief given.

Curriculum Content: Resistant Materials	Assessment	What homework will they have?	I'm not an expert, so how can I help?
<p>What will my child be studying this term?</p> <ul style="list-style-type: none"> • What are the important considerations (specification points) when designing a product? • How can we design items taking into consideration the needs of the Target Market? • How can we test a product to determine if it meets the needs of the target market? • How can we ensure that we are safe in a workshop environment? 	<p>Project 1: Pupils are assessed on the testing and evaluation of their completed pen holder.</p> <p>Project 2: Pupils will be assessed on the design of their pewter casting.</p>	<p>Project 1: Extended learning task</p> <p>Project 2: Extended learning task</p>	<p>To extend their learning in this module, pupils could: consider a range of products in the home – what have been the important design criteria (what must they do / consideration a designer has made)</p>

Content covered:

Students will be designing and making a cast pewter key fob. They will be introduced to the workshop, using basic hand and power tools and equipment, along with the appropriate health and safety considerations. They will manufacture the mould, and clean, polish and mount the casting.

Curriculum Content: Textiles	Assessment	What homework will they have?	I'm not an expert, so how can I help?
<p>What will my child be studying this term?</p> <ul style="list-style-type: none"> • What equipment is used to make textiles products? • How do you make high quality products? • How do you achieve accuracy when making a product? • How can you apply a pattern to fabric? • How can you make 3D shapes using fabric? 	<p>Project 1: Assessment focus – making</p> <p>Project 2: Assessment focus - research</p>	<p>During project 1, homework will be an extended project researching and designing products inspired by nature</p> <p>During project 2, homework will be an extended project researching and designing products inspired by different cultures</p>	<p>Any students who wish to extend their learning further could: Watch programmes such as: 'The Great British Sewing Bee', youtube.com documentaries on textiles/ fashion designers, youtube.com tutorials for ideas on how to make textiles products</p> <p>Read fashion/ textiles/ craft books</p> <p>Practise hand stitching/ using a sewing machine at home</p>

			Practise designing and drawing skills at home using different materials
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Content covered:

Project 1 (4 weeks) Juggling Bags

Students will be making a set of juggling bags. They will learn how to use sewing machines safely and accurately, as well as exploring a range of decorative techniques including tie-dye, stencilling and sublimation printing.

Project 2 (4 weeks) Mexican Dolls

Students will be making an ugly doll inspired by Mexican Day of the Dead celebrations. They will improve their sewing machines skills and learn how to use different stitches. They will also learn how to create a paper pattern (template) for their product.

Literacy and numeracy:

Literacy: Pupils will be provided with access to key words, especially concentrating on technical terms to support with spelling and literacy.

Numeracy: In all areas of Technology, accurate measurements and development of these skills are essential to produce high quality products.

What can I do to help my child?

Additional resources and details of core texts used:

Teaching group arrangements:

Where can I get more advice?

Mr D Bartlett (Technology Curriculum Leader) – dbartlett@stratfordschool.co.uk. Please include the name of your child's teacher so the message can be forwarded appropriately.