DT Year 8 Curriculum Map

Year 8 (please note the order of topics will vary due to classes having more than one teacher)

Rotation	Unit Title Hyperlink to SOW	Description		Skills & content covered	Skills & content revisited	Links to GCSE skills and content	Marking and feedback	Assessment schedule, including criteria	Deadline	How work will be standardised or moderated
1	Textiles :Sustainable design, Bags for life inspired by African Textiles	This project will focus on the basics of traditional dyeing and printing techniques to create a bag inspired by textiles from African nations. We will look at wax block print fabrics and learn a range of decorative skills including tie dye, block printing and machine embroidery. Students will learn about the impact of plastics on the environment, and the importance of reducing use of plastics.		Properties of cotton, environmental issues Block print, tie dye, operating a sewing machine, sewing seams, cutting, ironing, using components, making pockets, designing motifs, creating repeat patterns in textiles.	designing for a client, writing a design specification, Sewing machine skills, cutting, designing, using components, fabric properties, mood boards	design and manufacture, printing and dyeing, designing for a client	Peer making during lessons. Specific assessment allow opportunities for dialogic marking. End of unit assessment specific areas of project to be foci for WWW/EBI	formative assessment is carried out at appropriate intervals throughout the project with the use of marking codes. WWW/EBI feedback is carried out as formative assessment at the end of the project	8 week project	Sampled at department meetings, standardised at late starts, other departmental QA
2	Graphics :Cereal Packaging	students carry out a branding project by designing and developing the graphics for a new breakfast cereal - focus is on typography design and development including		Students will use market research techniques (product analysis, internet research and popular opinion). Design & development skills with use of CAD: Adobe Illustrator basics (use of pen tool, selection tools, stroke & fill, colour manipulation & paint bucket) Development of nets for packaging.	typography design, sketching designs, developing vector graphics, applying surface graphics to a packaging net, cutting and assembling a packaging net	Use of CAD: Illustrator. Net design & development/ Packaging info, Typography.	Peer/teacher making during lessons. Specific assessment allow opportunities for dialogic marking. End of unit assessment specific areas of project to be foci for WWW/EBI	formative assessment is carried out at appropriate intervals throughout the project with the use of marking codes. WWW/EBI feedback is carried out as formative assessment at the end of the project	8 week project	Sampled at department meetings, standardised at late starts, other departmental QA
3	Food & Nutrition: Healthy Eating	This project will focus on nutrition and introduce students to a range of cooking skills, hygiene and safety in the food preparation area and encourage independent and group work		Eatwell guide, healthy diets, Knife skills, making a roux, cooking with meat, hygiene and safety, making pastry, frying, boiling, designing packaging,	Nutrition and Eatwell guide, link to science	Nutrition, special diets, menu planning, food hygiene and safety, basic skills like chopping, making a roux and pastry	Practical assessed in lessons Peer making during lessons. Specific assessment allow opportunities for dialogic marking. End of unit assessment specific areas of project to be foci for WWW/EBI	formative assessment is carried out at appropriate intervals throughout the project with the use of marking codes. WWW/EBI feedback is carried out as formative assessment at the end of the project	8 week project	Sampled at department meetings, standardised at late starts, other departmental QA
4	Product Design - Architecture project	this project will focus on the use of a range of materials, what they are used for and the properties of each material. Students will be introduced to architectural drawings and how to create interesting but functional spaces		students will be shown how to design building using scale drawings, and a range of technical drawing techniques . they will be learning about building materials and what is the correct material for the design purpose	Modelling skills-using correct tools, health and safety form and function	Material properties, different ways materials react to strain..	Peer making during lessons. Specific assessment allow opportunities for dialogic marking. End of unit assessment specific areas of project to be foci for WWW/EBI	formative assessment is carried out at appropriate intervals throughout the project with the use of marking codes. WWW/EBI feedback is carried out as formative assessment at the end of the project	8 week project	Sampled at department meetings, standardised at late starts, other departmental QA
5	Product Design - Biomimicry	The Biomimicry project is an exploration into how products have been influenced and inspired by nature.. Students will learn about existing products, forms and mechanisms, that use biomimicry. Students will learn a range of design strategies and modelling techniques while creating their own biomimicry product.		The project follows the design process; research, designing/development including technical drawing and modelling of a prototype.	sketching and development of design ideas links to all design based subjects	Sketching/drawing, modelling and technical drawing methods	Peer/teacher making during lessons. Specific assessment allow opportunities for dialogic marking. End of unit assessment specific areas of project to be foci for WWW/EBI	formative assessment is carried out at appropriate intervals throughout the project with the use of marking codes. WWW/EBI feedback is carried out as formative assessment at the end of the project	8 week project	Sampled at department meetings, standardised at late starts, other departmental QA