



TECH

Art and Design Textiles YEAR 11

External Set Exam Set By Exam Board.

Students are given the exam papers in early January. They will then choose a theme that they can relate to. Students will then be guided through the expectations of the theme in the same way throughout all of their projects. The final piece will be sat in an exam. This is based on all research students have looked at and recorded throughout the project. The external exam is worth 40% of the students grade.

Project Two: Decay and Destruction

Within this project, students can explore construction textiles, making their own garment. Through learning new fabric manipulation techniques, students will create a kimono which is inspired by a visit to the V&A.

Introduction Project: Natural forms

This introductory project works to refresh and refine existing skills, as well as developing and experimenting with a vast variety of new techniques. Students are supported to explore surface pattern design, dyeing and printing.

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Unit 3: Resistant Materials: Bauhaus Furniture

Students learn about different design movements and the impact of Bauhaus. They focus on product functionality. Students will learn about different types of wood joints, focusing on dowel joints.

Students expand their knowledge of different machinery. Students secure their knowledge and understanding of the design process and how to work explicitly with a design brief.

Unit 2: Food & Nutrition:

Students develop their ability to follow more complex recipes. They have a secure understanding of the Eatwell Guide and develop their knowledge and understanding of different nutrient groups and the importance of a balanced diet. Students develop their knowledge and understanding of dietary groups and how to make recipe modifications to meet these needs.

Unit 1: Product Design Collectable Figurine

Students learn new skills such as CAD on Photoshop, product analysis and how to write a specification. These new combined skills work together to produce a collectable clay or needle felted figurine, backing packaging and blister formed plastic.

Students will refine their research skills and use this to ensure a successful product, suitable for the target audience.

Students complete tech units on a rotation through the year. YEAR 9

Unit 3: Resistant Materials Mechanical Toy

Students will learn about different types of motion and energy. Students will develop their material knowledge and hand tool skills.

Students will test and evaluate their work to achieve a working wooden mechanical toy.

Unit 2: Food & Nutrition: International Cuisine

Students develop knowledge and understanding regarding environmental and social issues regarding food production. Students broaden their technical skills through a range of practical outcomes and have a secure understanding health and safety.

Unit 1: Textiles: Cushion Project

Students develop their ability to work to a design brief. They will develop their market research to inform their own design and planning. Students will develop their design techniques such as batik, tie dye and applique. They will develop their ability to demonstrate a range of hand stitches and learn new skills using the sewing machine.

Students complete tech units on a rotation through the year. YEAR 8

Unit 3: Resistant Materials Wooden Keyring

Students learn to design a product for their chosen audience, following a specific brief. Students learn basic timber theory. Students explore develop ideas from thumbnail sketch to high quality wooden outcome. Students will use hand tools and some machinery.

Unit 2: Food & Nutrition

Students learn basic food hygiene and kitchen health and safety. Students learn about different equipment used in food preparation. Students learn about the working characteristics of a variety of different ingredients and can apply this to their practical work. Students learn to follow a range of basic recipes and learn to evaluate their outcomes.

Unit 1: Textiles: Jungle Animal

Students will learn to design a product following a specific criteria. They will gain and develop skills such as fabric cutting, pinning and basic hand stitching. Students will also learn to overstretch for their final product. Decorative techniques such as Batik will be practiced and implemented.

Students complete tech units on a rotation through the year. YEAR 7