



Founded in 1888

Queen Elizabeth's Girls' School

Educating Women of the Future

Technology - Year 8

Entire Year Rotations		
Unit of work	Knowledge	Skills
Innovation	Students undertake a series of short tasks created to test their design problem solving skills.	Working with papers and boards using hand tools. Using evaluation techniques in order to design using an iterative process.
Casting metal	Students learn how to create a pewter cast product by using molding techniques.	Using C.A.D. & C.A.M. (laser cutter) Working with metals using hand tools. Using smart materials.
Global Design	Students design and manufacture a cushion based on cultural design. There will be an understanding of global manufacture and product life cycle assessments. Understanding sustainability is a key part of this unit.	Using cultural influence to design. Sewing machine skills. Dying and printing techniques.
Key Terms: Biomimicry, Ergonomics & anthropometrics. Manufacture, LCA (life cycle assessments). Ethical design.		
Course materials: Departmental exercise book, <u>wooden</u> graphite pencil, colouring pencils, eraser, ruler, black fineliner, pritt stick, Various materials and tools provided as needed.		
Homework will include: Primary and secondary research, Fortnightly tasks related to ongoing project work		
Assessment details: Material tests. Practical outcome assessment. When will the assessment take place? At the end of each rotation		