



Founded in 1888

Queen Elizabeth's Girls' School

Educating Women of the Future

Technology - Year 7

Year 7 - Technology - Students study the following units in rotation

Unit of work	Knowledge	Skills
Baseline Assessment Kon Tiki Raft Challenge	Students are taught workshop H&S. They are set a team challenge to design and build a model raft using set material.	Risk assessments Workshop safety Collaborative design.
Working with timber	Students learn how to use basic tools in order to make a frame for their textiles felt project. They also make a noughts and crosses travel game.	Using basic hand tools. Measuring and marking out with accuracy. Using machine tools safely
Felt making	Students learn the 3 fabric constructions through hands on practice. They also gain a basic understanding of natural and manufactured fibres.	Paper weaving. Finger knitting. Felt making. Adding embellishment. Sources, properties and uses of materials.
Introduction to Electronics	Students design and manufacture a simple cell powered torch.	Introduction to plastics. Soldering. Quality assurance. Perspective drawing.

Key Terms: Risk assessment, Natural material, Synthetic material, Accuracy, Specification, Material properties, Quality control.

Course materials: Departmental exercise book, wooden graphite pencil, colouring pencils, eraser, ruler, black fineliner, pritt stick, Various materials provided as needed.

Homework will include: Primary and secondary research, Fortnightly tasks related to ongoing project work

Assessment details:

Health and safety test.

Practical outcome assessment.

When will the assessment take place?

At the end of each rotation