



Year 9 Annual Exam for Technology

Year 9 End of year exam – Revision list

You will only be assessed on the two rotations you have completed this academic year.

Maths in DT

1. Area of rectangle, circle and triangle
2. Volume of rectangular prism

Engineering Rotation

1. The centre lathe – parts and operations.
2. Computer numerical control (CNC) – advantages and disadvantages
3. Just in time (JIT) production – description and benefits
4. Scales of production – one-off, batch, mass and continuous
5. Types of wood and typical uses

Textiles Rotation

- Fibres/yarns/sources of fabrics
- Sustainability (circular and linear economy/the 6 R's)
- Fabric finishes
- How to do tie dye (process and explanation)
- Explain Cotton production process. How can it be damaging to the environment?
- How a textile fibre is produced
- Design characteristics of Karim Rashid, Mary Quant and Yinka Ilori

Microcontroller rotation

- The different categories of commands in makecode and what their colours are
- What the different functions of the microbit are and how they can be used in a product
- How a motor works
- How to design a product, incorporating features of a microbit
- What is e-waste and how can it be prevented
- How are the metals inside batteries sourced and what are the issues surrounding this