YEAR 9 Exam Revision Clock Project

Different ways to revise-

- **Put key points on post it notes and stick around the house.**
- **Make notes on all the questions below.**
- **Make a revision poster with photos and text to remind you of each point.**
- **Get a family member to test your knowledge.**

The design Process (linked to folder).

Can you analyse a situation and design brief and record your analysis in a spider diagram?

Can you identify the properties of materials and explain why they are suitable for a clock?

Can you analyse existing products and compare and contrast their features?

Can you identify the needs of a client?

Can you write a list of design criteria?

Can you draw in 3D and your materials to look like wood, metal and plastic?

Do you understand the importance of modelling and why it is essential to designing?

Can you draw a final idea in an exploded view?

Can you annotate your drawings using keywords and subject specific language?

Can you test your ideas and understand the importance of modification?

Can you evaluate your final idea against the design criteria and specification?

Tools & equipment, materials and processes (linked to Practical).

Can you name some ferrous and non-ferrous metal and their properties?

Can you name some different types of plastic and their properties?

Can you name different soft and hard woods and their properties?

Can you explain different ways of attaching / fixing wood to wood, acrylic to acrylic / acrylic to wood?

Can you **explain** why you chose your materials and why they were suitable for the clock?

Can you **discuss** the tools and equipment you used to make the clock-

Tenon saw coping saw hack saw jigsaw file tri square abrasive paper Steel rule wet & dry paper pillar drill drill bit Marking gauge CNC Laser cutter CAD 2D Design one-off

Health & Safety in the workshop

Can you think of any health & Safety rules in the workshop?

Can you explain how to be safe on machinery?

Can you describe the different safety equipment needed when using machinery?