

Project: Clock

What are we learning about?

You will learn about the iterative design process, understanding the needs of a user and producing a clock to suit their needs. You will create a 2-layer, plywood clock using CAD and CAM.

Why are we learning about it?

Designers need to be problem solvers. We are learning about iterative design as this is used in industry to create effective solutions to a problem. You will gain a deeper understanding of the design process.

What new KNOWLEDGE will I gain?

- How the design process as a continuous cycle of designing, developing, testing to improve the final product outcome.
- Modelling within the design process.
- Different finishing techniques for timbers.

How does this build on the KNOWLEDGE I already have?

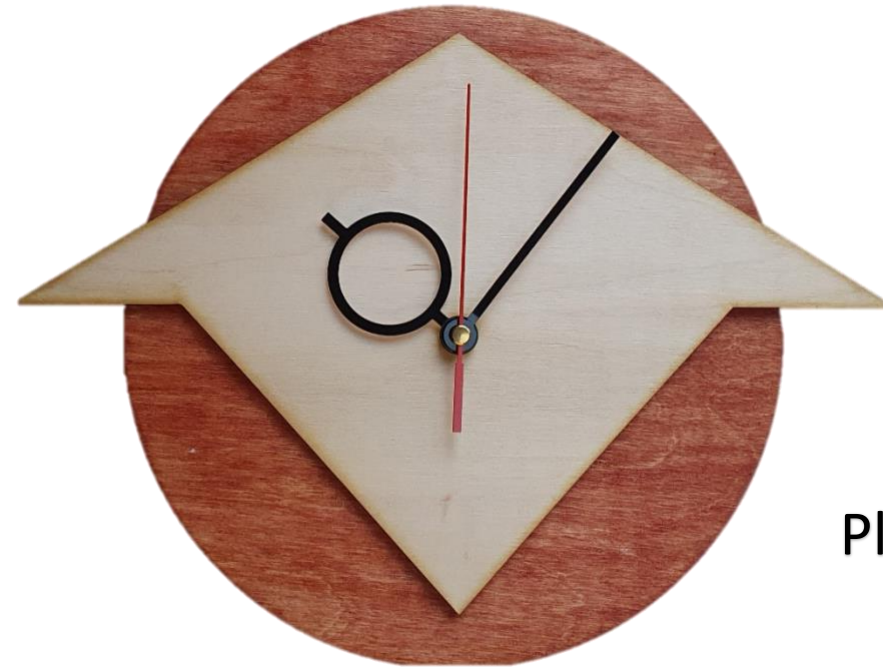
- Core Technical knowledge of timbers from year 7.
- CAD / CAM knowledge and experiences from year 8.
- How to choose workshop tools for a specific task.

What new SKILLS will I develop?

- Modelling during the initial design stage.
- Design strategies
- Functions on 2D Design

How does this build on the SKILLS I already have?

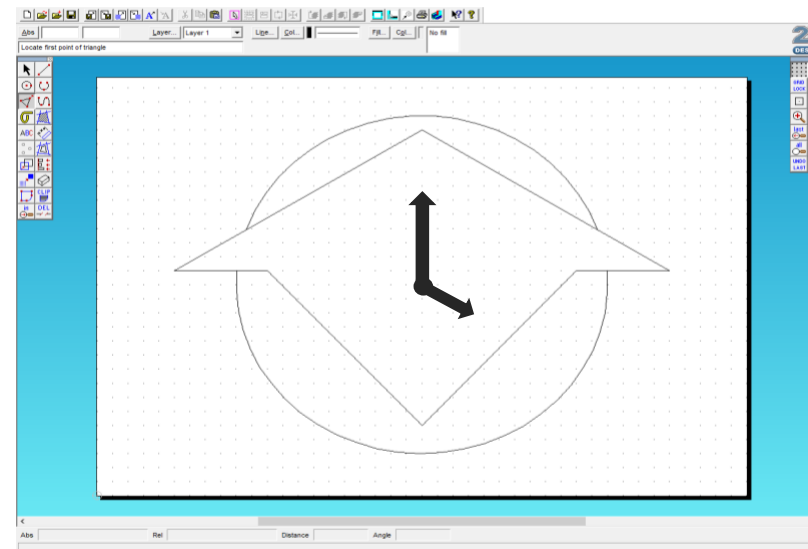
- Use of CAD Software
- Use of CAM – Laser Cutter
- Sketching and Drawing
- Understanding of the design process
- Using timber for a product



Plywood



Laser Cutter
CAM



2D Design
CAD

