

Project: Linkage Toy

What are we learning about?

You will learn about the different types of motion and how these relate to the way everyday objects move. You will also expand your knowledge of the type of timbers, their properties and the equipment that can be used to manufacture a product using timber.

Why are we learning about it?

In Year 7 your focus is working with timbers. We are developing your understanding of the different materials and equipment to build your confidence and skills in this area.

What new KNOWLEDGE will I gain?

- What are linkages and leaver and how these work together to create different types of motion.
- How to use workshop equipment; Hegner saw and coping saw.
- Health and safety rules that apply to new pieces of equipment.
- The full structure of a specification and how to complete this using detailed information.

How does this build on the KNOWLEDGE I already have?

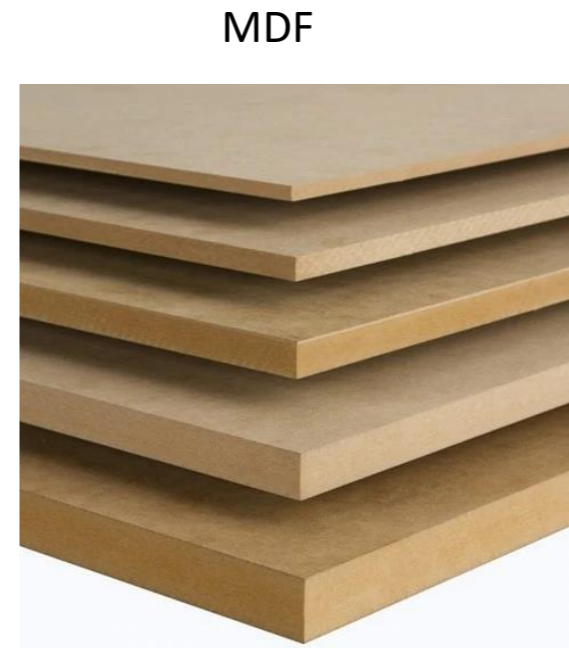
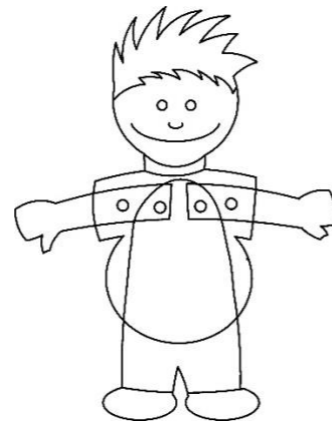
Your Core Technical Knowledge on Timbers will help you to understand why we have chosen MDF to be used for this project. You will create your own detailed specification.

What new SKILLS will I develop?

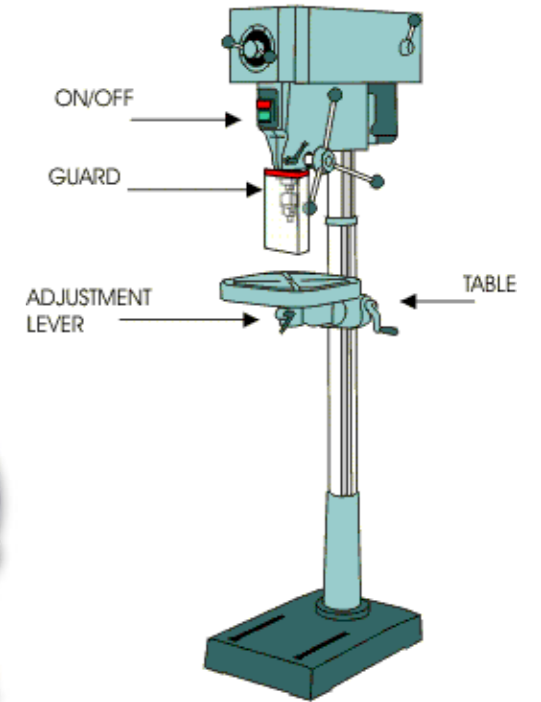
- Sawing with 2 types of saws
- Accurate construction

How does this build on the SKILLS I already have?

During the trinket box you only used a couple of woodwork tools.



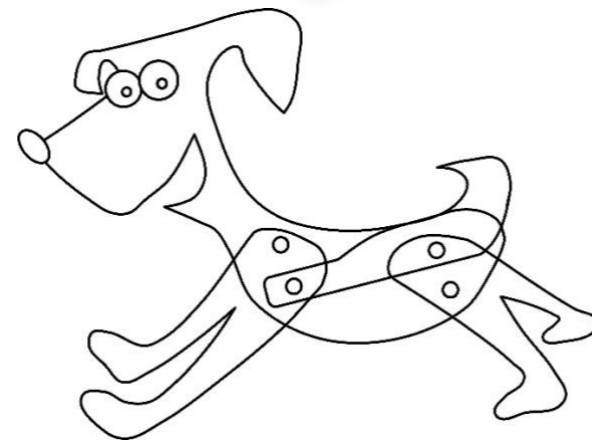
Belt Sander



Pillar Drill



Coping Saw



Hegner Saw



Glass Paper

