

Project: Mobile Phone Holder

What are we learning about?

You will learn about how important computer aided design (CAD) is in the design industry and how this links to computer aided manufacturing (CAM). Our laser cutter can be used with many different materials but we will be using different polymers (plastics) this time.



Why are we learning about it?

There are many different ways we can communicate our design ideas in D&T. Using CAD is a development from our ability to draw. We are also exploring the properties of different types of plastics so we can select the correct equipment to use for each when making a product.



What new KNOWLEDGE will I gain?

- What is CAD and CAM and why they are used.
- Why is design specification is created and then do your own.
- The properties of polymers (plastics).



How does this build on the KNOWLEDGE I already have?

This project has the same design process as the Trinket Box. You will be learning about this in more depth.



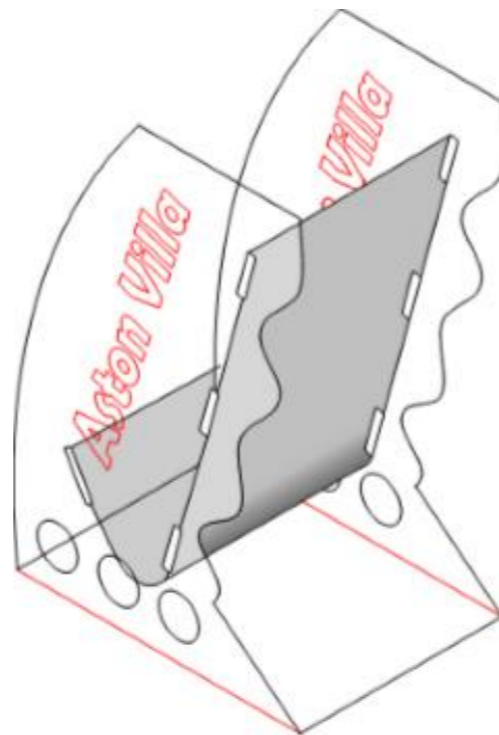
What new SKILLS will I develop?

- CAD – 2D Design
- CAM – Laser cutter



How does this build on the SKILLS I already have?

- Design communication methods.



Strip Heater



Laser Cutter



Thermoplastic and a Thermosetting Plastic

