

My Tool Box



**Tenon Saw** – Used to cut straight lines in wood.



**Coping Saw** – Used to cut curves and internal shapes in wood.



**Try Square** – Used to mark out right angles.



**Hand Vice** – Allows secure clamping of material for drilling.



**Laser-cutter**- Used to laser-cut and engrave material.



**Line Bender** - Used to bend thermoplastics like acrylic.



**Pillar/Bench Drill** – Used to drill holes into different materials.



**Machine vice** – Used to hold workpiece securely during drilling.



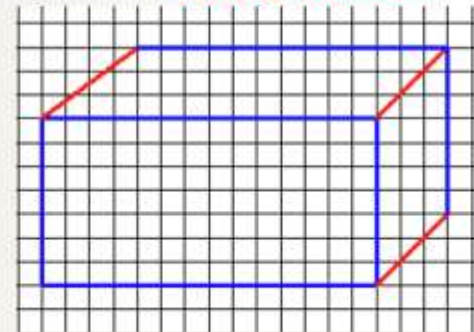
**Belt Sander** – Used to sand/smooth down different materials

Focused Topics

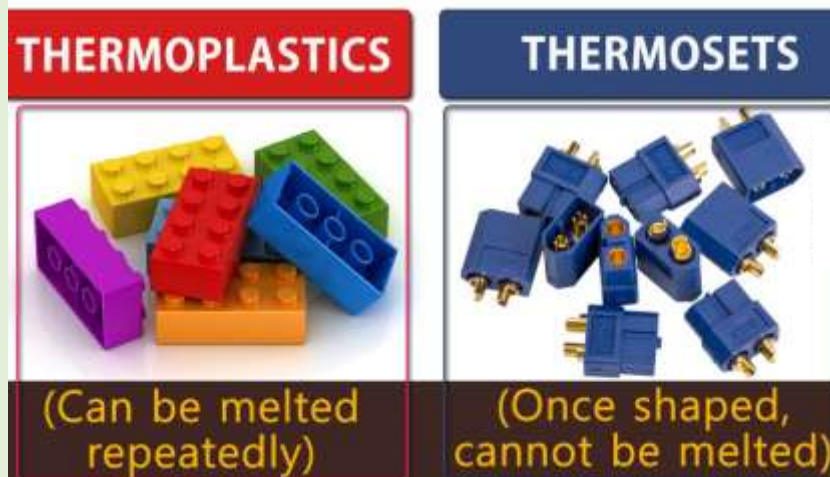


Oblique drawing

In oblique projection the drawing is made up of a series of parallel horizontal and vertical lines and parallel 45 degree lines.



Polymers



Key Terms

- Aesthetics** - how humans perceive and judge objects according to their attractiveness
- Computer aided design (CAD)**-The process of creating a 2D or 3D design using computer software.
- Computer aided manufacture (CAM)**-The manufacture of a part or product from a computer aided design (CAD) using computer-controlled machinery, such as a 3D printer or laser cutter.
- Drilling**- the action of making a hole in something by boring with a drill.
- Laser cutting**- a technology that uses a laser to cut materials
- Line-bending**- a process used to bend thermoplastics in a straight line.

Tasks

- Task 1:** Learn the tool names and their use.
- Task 2:** Learn the key words and the definition.
- Task 3:** Create 6 questions that can be answered from the information in the focused topic column.
- Task 4:** Draw two tools and write what they are for.
- Task 5:** Create a quiz based on task 1, 2 or 3. Get someone to test you.
- Task 6:** Create a mind map for the information you remember and red pen anything you've forgotten.
- Task 7:** Teach it. Create a task that can be used to teach some of the information from here.

To go further: Introduction to oblique sketches:



More information about polymers:

