

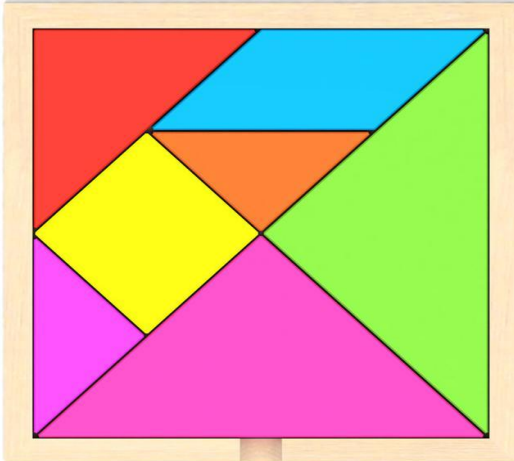
## Health and Safety in the Workshop



Can you spot all the mistakes made in this example of a workshop. Look carefully and circle as many as you can find.

Now look around the classroom you are in. Spot potential hazards and rank them in order of importance. Turn over your sheet and write your top 10 in order of importance.

Lesson 1



### Health and Safety in the Workshop:

- Storage of bags and coats.
- Keeping the bench tidy.
- Following teachers' instructions.
- Always walk!
- Report all accidents
- Wear goggles and an apron on equipment.
- 1 Metre rule.
- Stools away during a practical.
- Behaviour Expectations.

## Yr7 Puzzle Project Knowledge Organiser

### Materials Used:



Pine      MDF      Hardboard



### Materials Theory:

**Softwoods** (Pine) are **coniferous** trees. They have **needles** instead of broad leaves. They are **evergreen** and are generally **fast-growing**. The timber produced is generally **cheaper**.

**Hardwoods:** (Oak) are deciduous trees (**they lose their leaves in winter**). They are sometimes **slower-growing**. They are often more **expensive**.

**Manufactured Boards: (MDF/ Hardboard)** are **composite materials** (made from a mix of raw materials). They tend to be **cheaper and made into** large boards.

Name:	Tool Picture:	Function - What did we use this tool for?
Steel Rule		A steel rule is used to measure pieces of materials.
Try Square		A try square enables a user to create a straight 90-degree line across a piece of material.
Marking Gauge		A marking gauge generates a groove within a piece of timber which is parallel to the edge.
Wooden Mallet		A wooden mallet is used to strike a chisel or an object.
Chisel		A chisel is used to remove excess material.
Tenon Saw		A tenon saw is used to cut through a piece of material vertically.
Coping Saw		A coping saw is used to cut through a piece of material at any angle due to the small blade.
Pillar Drill		The pillar drill is used to create holes within a piece of material.
Bench Hook		A bench hook is used to hold a piece of material in place whilst it is being worked on.