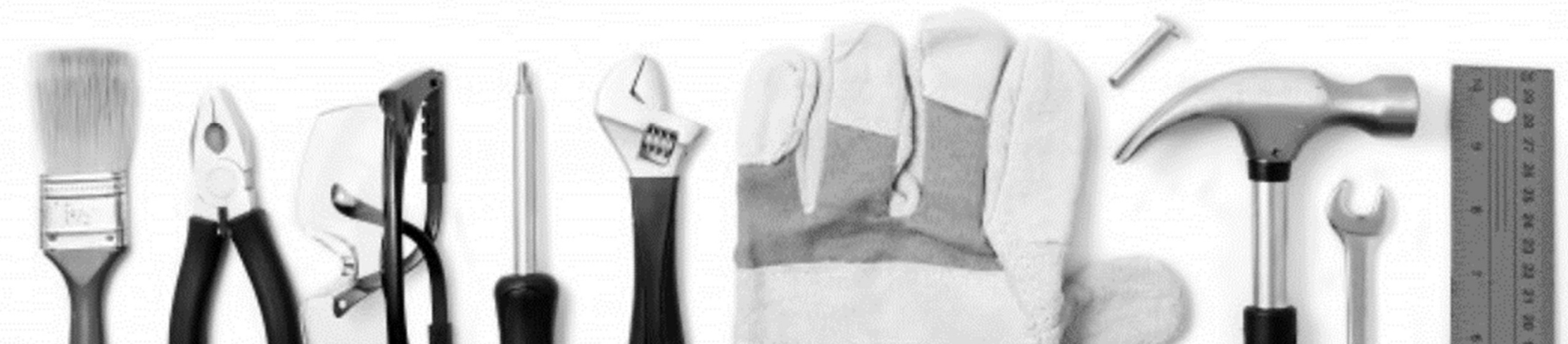


# **Practical Woodwork: Week 3**

## **Material Knowledge**



**In class we have spoken about a wide number of natural and man made materials.**

**The next few tasks are designed to refresh your memory of this information and build on what we already know**



# There are 3 categories of wood

## Softwood

- These come from coniferous trees.
- They have needle like leaves (like Christmas trees)
- They grow quickly (approx. 30 yrs)
- They commonly grown in farmed forests in the UK

## Manufactured board

- These are made from the scraps of the wood produced when trees are processed into timber.
  - They are an eco-friendly alternative to timber
- They are available in large sheets which makes the perfect for bigger projects
- They don't look as good as natural timbers so will need a finish like paint or laminate.

## Hardwood

- These come from deciduous trees.
- They have big broad leaves
- They grow slowly (approx. 100+ yrs)
- They grow in the rainforest but can also be seen in our parks and gardens



**Task 1: Search online and identify 3 softwoods, hardwoods and manufactured boards**

## Softwood

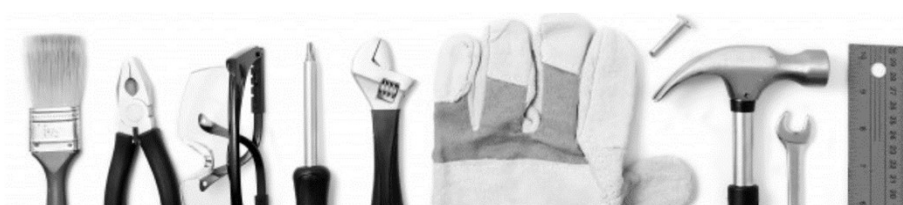
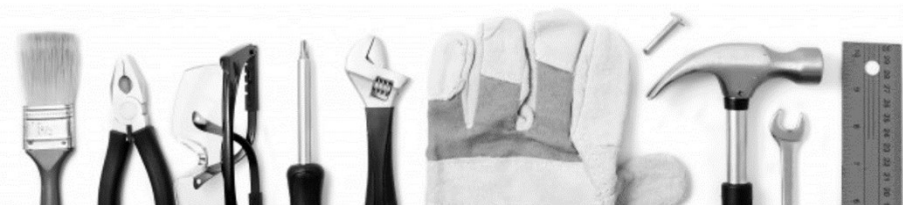
- 1.
- 2.
- 3.

## Manufactured board

- 1.
- 2.
- 3.

## Hardwood

- 1.
- 2.
- 3.



**Task 2: Answer the questions below about softwoods**

## **Softwood**

**1. Softwoods are usually cheaper than hardwoods. Why do you think this is?**

**2. Softwoods grow in farmed forests. What does this mean?**

**3. Which of the following are softwoods**

**Oak**

**Spruce**

**Birch**

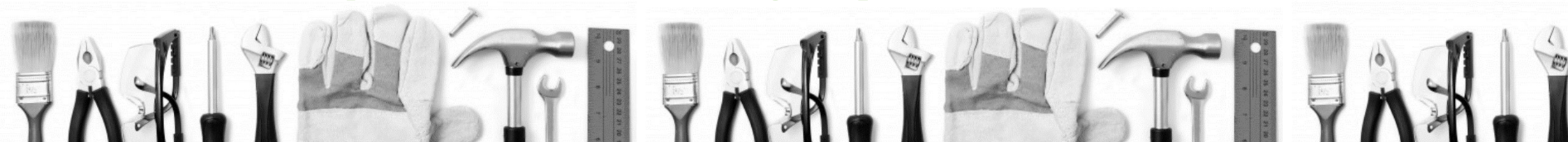
**Redwood**

**Maple**

**Mahogany**

**Pine**

**Ash**



**Task 3: Answer the questions below about softwoods**

## **Hardwood**

- 1. Many hardwoods can be found in the rainforest. What impact will cutting these trees down for timber have on the environment?**
- 2. Hardwoods are usually expensive compared to softwoods so we try to make a feature of them in projects. Name 2 appropriate finishes that will allow you to make a feature of the wood.**



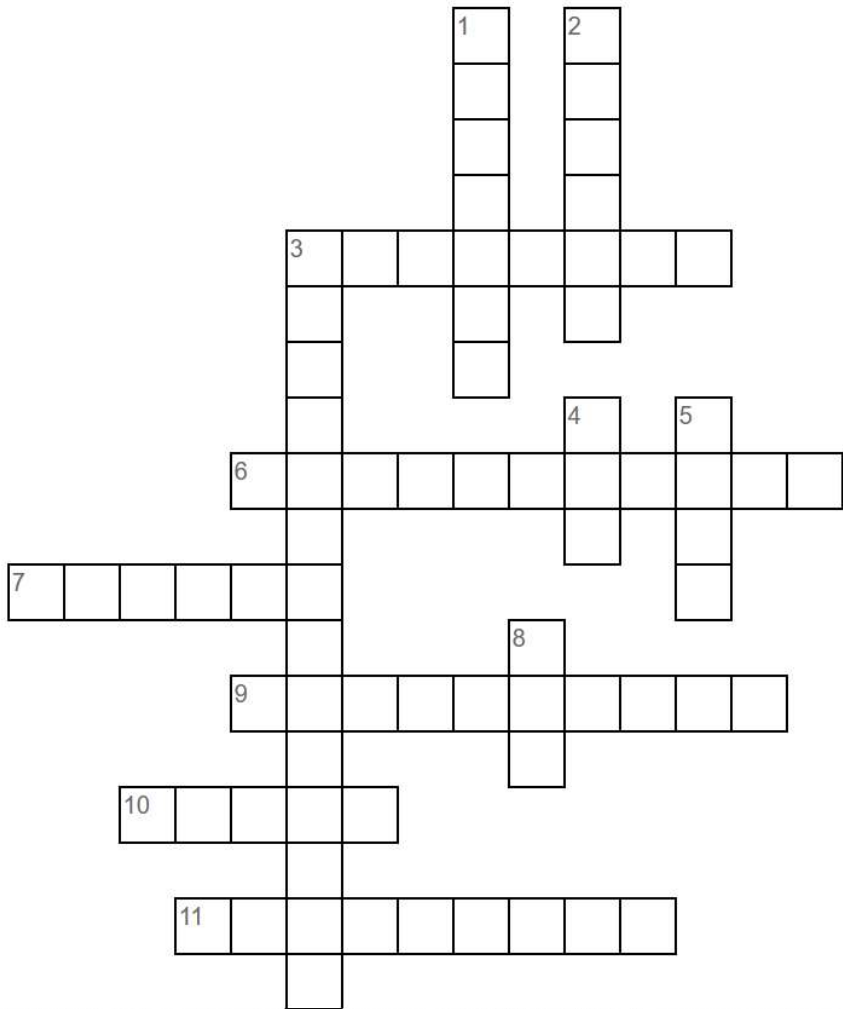


**Task 3: Answer the questions below about softwoods**

## **Manufactured Boards**

- 1. Name two advantages and two disadvantages of using a manufactured board.**
- 2. State the name of a suitable finish for manufactured boards and explain your choice**





**Name the machine tools below or identify the materials described to complete the crossword**

**Across**

**3. Name a dark coloured hardwood**

**7. Light- coloured softwood**



**Down**

**1. Manufactured board made up of thin layers of wood**

**2.**



**3.**



**4. A manufactured board made up of tiny specs of wood dust glued together**

**5. The most common softwood**

**8. Common Hardwood**

