

Turnbull High School

Technical Department



S4 Practical Woodwork

Homework Booklet

Name.....

Class

Homework 1

1 Briefly explain the meaning of the term "**Grain**" when referring to timber. (2)

2. Wood is classified into two groups name each. (2)

3. Name two types of hardwood. (2)

4. Name two types of softwood. (2)

5. Timber is supplied to the school workshops in different sized sections, sketch two types of section supplied to the workshop. (2)

6. Safety is of major importance in any workshop, list four safety rules which must be observed when working in the workshop. (4)

7. When referring to timber what is meant by the term **Finishing**? (2)

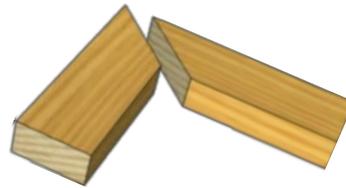
Total Marks 16

Homework 2

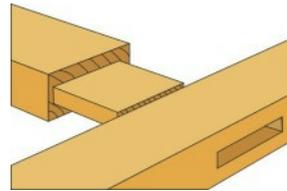
1. Name two types of finish which could be used on wood. (2)

2. Timber joints are used to join two pieces of timber together; name two factors which would determine what type of joint should be made. (2)

3. Name the joint. (1)



4. Name the joint. (1)



5. Why are very wide boards in softwood and hardwood very rare? (2)

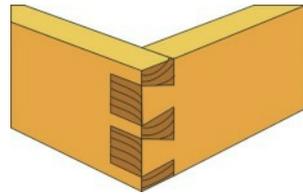
6. In your answer to question number five how has this problem been overcome? (2)

7. Briefly explain how the man-made board **Plywood** is constructed. Use sketches to help with your answer (2)

Total marks 12

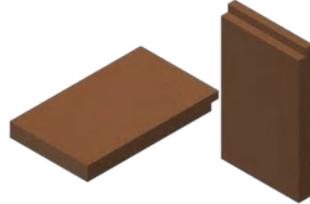
Homework 3

1. Name the joint opposite..



(1)

2. Name the joint opposite.



(1)

3. Briefly explain how **Blockboard** is constructed.

(2)

4. Briefly explain how **Chipboard** is constructed.

(2)

5. What is the most commonly used glue found in the school workshop and state how excess glue should be removed?

(2)

6. Briefly explain the purpose of the **Cross Pein** hammer.

(2)

7. Saw teeth are usually SET, briefly explain what is meant by this term and the reason for setting the teeth.

(2)

8. What is the purpose of a **Hole Saw**?

(1)

Total marks 13

Homework 4

1. Name the two component parts of a **Try Square**. (2)

2. Briefly describe the purpose of a **Marking Gauge** and name two component parts. (3)

3. Name four types of man-made board. (4)

4. Name the tool opposite. (1)



5. Sketch a **Carpenters Mallet**. (2)

6. Briefly explain how wood is categorised. (2)

7. Name the tool opposite. (1)



8. Name two types of chisel found in the school workshop. (2)

9. Name the mallet used to hit chisels. (1)

Total Marks 18

Homework 5

1. What is the purpose of a **Mortise Gauge**? (2)
-
-
2. What is the most commonly used type of rasp found in the school workshop? (1)
-
-
3. What type of plane is used to trim end grain, mitres or interlocking grain? (1)
-
-
4. What is the purpose of a **Sliding Bevel**? (1)
-
-
6. State the name of the plane used to trim the bottom of housing joints to a set depth. What other name is this plane known by? (2)
-
-
6. A **Mitre Square** is used to check angles, what are these angles? (2)
-
-
7. State two safety precautions which should be observed whilst working in the school workshops. (2)
-
-

Total Marks 11

Homework 6

1. Briefly explain what **MDF** is and how it is constructed. (2)

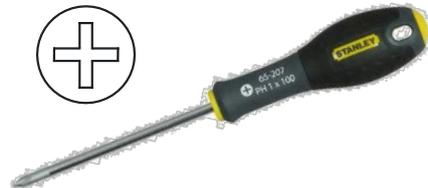
2. Name the tool shown opposite.



(1)

3. When referring to timber what is meant by the term **Finishing**?
Name two types of finish which could be applied to wood. (3)

4. Name the tool shown opposite.



(1)

5. Wood is classified into two groups name each. (2)

6. Name the Plane shown opposite. (1)



7. Name the tool shown opposite (1)



Total Marks 11

Homework 7

1. Name four wood turning chisels. (4)

2. Briefly explain the four stages when applying a coat of varnish. (4)

3. Describe a method of checking whether a frame carcass is square. (2)

4. What is the purpose of a **Fret Saw**? (1)

5. Explain the difference between a **Rip Saw** and a **Cross Cut Saw**. (2)

6. Name three types of nail. (3)

7. What is the purpose of creating a **Countersink** in wood? (2)

8. Name the tool used to make a **Countersink** hole. (3)

Total Marks 21

Homework 8

1. Name two safety rules associated with the **Pillar Drill**. (2)

2. Briefly explain how the **Mortise** machine cuts a square hole. (2)

3. What is the purpose of a **Face Plate**? (1)

4. Name and describe two tools used in conjunction with the **Wood Turning Lathe**. (2)

5. State the purpose of the "**G**" cramp. (1)

6. Briefly explain what a **Wood Turning Lathe** is used for. (2)

7. State the purpose of the **Sash cramp**. (2)

8. Name three parts of a **Wood Turning Lathe**. (3)

Total Marks 15

Homework 9

1. Describe the four stages in preparing a piece of timber for Turning. (4)

2. What is the purpose of a **Revolving Centre**? (2)

3. What is the purpose of a **Dead Centre**? (2)

4. Briefly describe the purpose of a **Marking Knife**. (2)

5. In the space below make a sketch of the type of cut made by a **Rebate** plane. (2)
6. In the space below make a sketch of the type of cut made by a **Plough** plane. (2)

Homework 10

1. Briefly describe the purpose of **Pincers**. (2)

2. In the space below, make a sketch of a cross section (cut through) of a **Bevel Edge Chisel**. (2)

3. Sketch the tool used to create the **Countersink Hole** in a piece of wood. (2)

4. Briefly describe the steps used to apply a varnish to a piece of wood. (4)

5. Name two other finishes which can be applied to wood. (2)

6. Name four parts of a **Mortise Gauge**. (4)

Total Marks 16

Homework 11

1. Name 2 types of man-made boards (2)

2. Sketch a **Mitre** joint. (*Trace it*) (2)

3. What can be used to fill small holes, cracks and gaps in unfinished Wood? (1)

4. Give a brief descriptions of what a **Claw Hammer** used for? (2)

5. What is a **Dovetail Template** used for? (2)

6. Explain the difference between a **Boxwood Mallet** and a **Carpenters' Mallet**. (2)

7. What are the three views shown on an **Orthographic Drawing**? (3)

Total Marks 14