



# **Year 11 Transition Carpentry & Joinery Workbook 1**

The following knowledge test is a means of assessing your comprehension and underpinning knowledge of **identification and safe use of hand tools**.

The test may involve you working alone or in a small group. Whatever task you are assigned you must retain all the finished work and draft copies of your reference documents that you have used to complete your assignment. These documents are evidence of your competence.

Before commencing this test read through all the material to ensure you fully understand what you must do. If in doubt ask your tutor.

**Student Key Skill**

**Communication**

## **Communication**

1. Assume you are employed by a company called J.A. Atkinson and your employer requests that you obtain a quotation for the following list of tools:

- 4 Stanley jack planes.
- 15 Stanley claw hammers size No2.
- 18 Tenon saws, brass backed 300mm in length, 13 teeth per 25mm.
- 30 Hardpoint saws, 8 teeth per 25mm.
- 10 try squares, 225mm blade.

Using the letter headed paper write a short letter requesting prices, including delivery for the tools listed.

*jaa*

**J.A. ATKINSON (CONTRACTORS) LTD**  
**SPECIALISTS IN DOMESTIC AND COMMERCIAL**  
**BUILDING AND MAINTENANCE**

115, Green Street, Greenacres, Essex EX8 9KW

E-mail: [enquiries@atkinsoncon.co.uk](mailto:enquiries@atkinsoncon.co.uk)

Fax 0897 34567

2. Find the hidden words:

- Plane
  - Gauge
  - Trysquare
  - Pencil
  - Saw
  - Hammer
- Spokeshave
  - Chisel
  - Drill
  - Pincers
  - Screwdriver
  - Clamp
- Punch
  - Auger
  - Oilstone
  - Mallet
  - Gouge
  - Compasses
- Scriber
  - Trammels
  - Tape
  - Rule
  - Brace
  - Bit

M	N	D	S	B	C	O	M	P	A	S	S	E	S	E	Y	Q	S
L	Q	R	C	R	H	G	A	U	G	E	R	N	D	O	I	I	A
D	C	I	R	A	A	U	J	O	I	L	S	T	O	N	E	Q	W
W	P	L	I	C	M	G	S	C	R	E	W	D	R	I	V	E	R
Q	E	L	B	E	M	Q	T	R	Y	S	Q	U	A	R	E	I	I
X	N	W	E	D	E	O	T	A	P	E	P	M	A	L	L	E	T
Q	C	J	R	R	R	I	N	P	U	N	C	H	G	P	S	C	O
P	I	I	K	C	H	I	S	E	L	E	U	G	Q	O	T	I	R
A	L	R	P	I	N	C	E	R	S	Y	X	W	L	H	U	D	X
I	U	W	K	P	L	A	N	E	E	D	C	P	R	L	E	G	E
H	W	G	B	A	Z	Q	I	B	H	R	U	L	E	M	Z	X	E
E	A	W	E	H	T	R	A	M	M	E	L	S	A	K	B	B	T
U	A	H	B	R	I	F	X	O	I	X	A	W	T	M	N	I	P
E	R	F	S	P	O	K	E	S	H	A	B	E	X	K	P	P	T

3. Name two means by which you can obtain information on tool prices.

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4. To complete this question you must obtain the up to date commercial prices for the tools listed in Question 1. Once you have done so insert the prices into the Suppliers delivery note. Calculate the cost of all the items to your employer including 17.5% VAT.

**Thompson Builders Merchants**  
**12 Callow Street, Burton. Essex EX6 PP9**  
**Tel. 0897 44455 Fax. 0897 445566**

Item	Description	Quantity	Cost

**Signed**\_\_\_\_\_ **Date**\_\_\_\_\_

## Technology

1. Name three marking out tools and state how and when each would be used.

a) \_\_\_\_\_

b) \_\_\_\_\_

c) \_\_\_\_\_

2. Name the gauge that you would use to mark:

a) A line parallel to the edge of a board.

b) Two lines parallel to each other and parallel to the edge.

a) \_\_\_\_\_

b) \_\_\_\_\_

3. A handsaw may be said to have 8 points per 25mm. What does this mean?

\_\_\_\_\_  
\_\_\_\_\_

4. What saw is normally used for bench work?

\_\_\_\_\_  
\_\_\_\_\_

**5.** What is meant by grain?

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**6.** What is meant by:

- a) The grinding angle?
- b) The sharpening angle?

**a)** \_\_\_\_\_

**b)** \_\_\_\_\_

**7.** Name four types of plane used in a joinery workshop and state what they are used for.

**a)** \_\_\_\_\_

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**b)** \_\_\_\_\_

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**c)** \_\_\_\_\_

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**d)** \_\_\_\_\_

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**8.** Name two types of gouges and state what they are used for.

**a)** \_\_\_\_\_

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**b)** \_\_\_\_\_

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**9.** By means of neat sketches show what is meant by each of the following terms:

- a)** Chamfering
- b)** Rebating
- c)** Stopped rebate
- d)** Moulding

A large empty rectangular box with a blue border, intended for drawing neat sketches of the terms listed in question 9.

**10.** Make a neat sketch of the following bits and state a purpose for which they would be used:

- a)** Centre bit.
- b)** Auger bit.
- c)** Forstner bit.

A large empty rectangular box with a blue border, intended for drawing neat sketches of the bits listed in question 10 and stating their purposes.

**11.** By means of a sketch show the difference between:

- a)** A firmer chisel.
- b)** A bevelled chisel.
- c)** A mortice chisel.

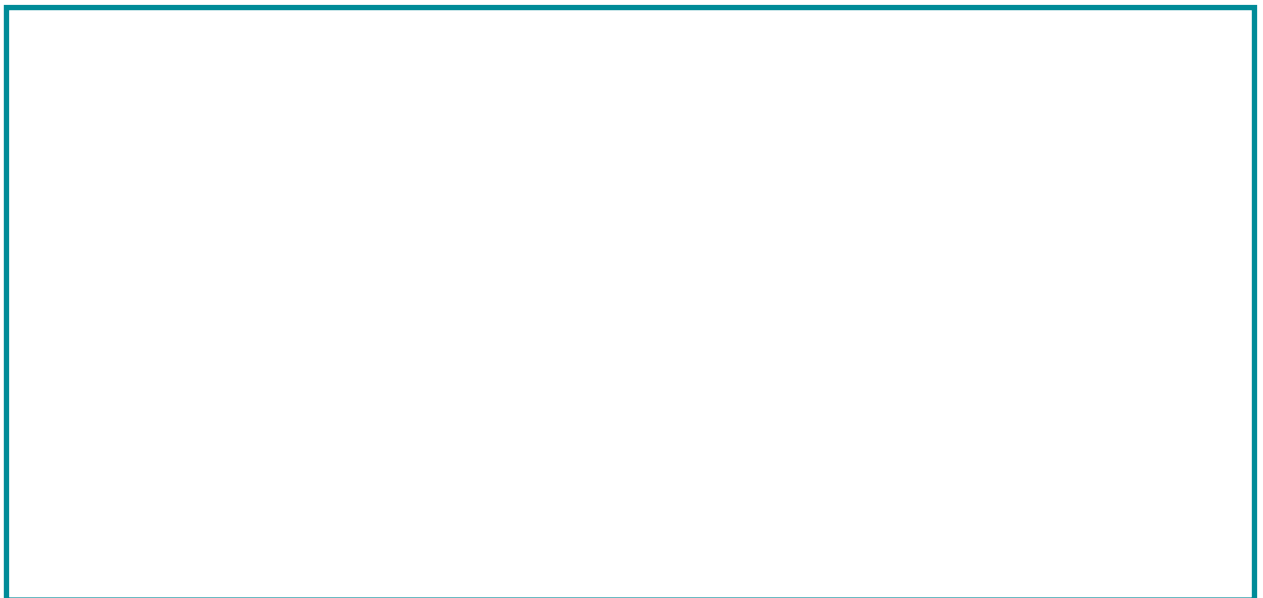


**12.** Explain the term burr with regard to the maintenance of chisels

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**13.** Make a neat sketch of a Warrington hammer and show how the head is secured to the shaft.





**14.** What is the lubricant used when:

- a) Grinding on a sandstone.
- b) Sharpening on an oilstone.

**a)** \_\_\_\_\_

**b)** \_\_\_\_\_

Knowledge Test Marking Sheet

Trainee Name

Date

	Comments	Yes	No
Communications			
Question 1			
Question 2			
Question 3			
Question 4			
Technology			
Question 1			
Question 2			
Question 3			
Question 4			
Question 5			
Question 6			
Question 7			
Question 8			
Question 9			
Question 10			
Question 11			
Question 12			
Question 13			
Question 14			

Tutor

Date