



**Knowledge and Understanding**



# Knowledge and Understanding

**(AO1) Knowledge Check 1 – Health and Safety**

**(60 marks )**

**REMEMBER TO:**

- Try to answer all questions.
- Write your answers in the spaces provided.

# Health and Safety and Preventing Accidents in the Workplace

When an accident occurs, there are certain things that must be done. All accidents need to be reported immediately and recorded in the accident book.

*Accidents do not just happen. They are caused.*

## 1. Accidents may be caused if you:

- Fool around
- Rush a job
- Do not listen to instructions
- Use unsafe tools

Identify 4 more

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

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

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

d) \_\_\_\_\_ (4)



## 2. First-aid

Where is the first-aid kit kept? \_\_\_\_\_ (1)

Who should you report to if you have an accident in the workshop?

\_\_\_\_\_ (1)

**3. These questions are about keeping yourself safe when working in the workshop. Read each statement and answer by writing TRUE or FALSE**

Do not use a hand tool unless you have been told to do so. \_\_\_\_\_

Do not have hands or fingers in front of sharp tools when using. \_\_\_\_\_

Stack all the tools you are going to use on the bench before you start. \_\_\_\_\_

Keep all tools in the well of the work bench. \_\_\_\_\_

(4 marks)

**4. You are expected to wear PPE when working in the workshop.**

List the PPE that you wear and explain in your own words why you are wearing it and what it protects you from.

PPE item	Explanation why you wear it and what it protects you from (8 marks each)

5. What do the letters HASAWA mean?

1 mark

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6. State the 3 primary aims of the HASAWA

3 marks

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

7. Identify 3 responsibilities of an employer under the HASAWA.

3 marks

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

8. Clearly describe how the employer will meet each responsibility.

6 marks

1 \_\_\_\_\_

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2 \_\_\_\_\_

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3 \_\_\_\_\_

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9. Identify 3 responsibilities of an employee under the HASAWA. 3 marks

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

10. Describe in detail what an employee needs to do to meet each responsibility. 6 marks

1 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

11. Name and draw four Health and Safety signs relevant to working in a Carpentry and Joinery environment. 8 mark


Identify hazards in your occupational environment (a picture could be used or a simulated work area) 1 mark each correct answer





12. Complete a risk assessment for cutting the sheet timber, by hand, for your craft project.

12 marks

Identify risk	Who might be at risk	How might they be at risk	How could this risk be minimised	Who is responsible for ensuring action is taken
Risk 1				
Risk 2				
Risk 3				

# Careers

(60 marks )

In this section you are going to research job opportunities in this vocational area.

The following websites will help you to research your answers.

[www.nijobs.com](http://www.nijobs.com)

[www.jobsite.co.uk/vacancies?location=Belfast](http://www.jobsite.co.uk/vacancies?location=Belfast)

<https://www.jobcentreonline.com>

(1) Identify **three opportunities** directly associated with the skills required in carpentry and joinery.

a) A job opportunity directly after leaving school \_\_\_\_\_

b) A job opportunity after an apprenticeship \_\_\_\_\_

c) An entrepreneurial opportunity related to Joinery \_\_\_\_\_ (3)

For each of these opportunities you will research details of what the work involves and the necessary skills and qualifications you need. Pay and progression opportunities should also be researched for the first two.

(2) In the box below attach a job advertisement for **the first job identified in task 1 (a)**. You may find this in a newspaper or from a job search on the web.

(Each class member should have different job advertisements where possible)

(2)



Complete the profile below for the job identified in Task 1 (a)

Job title \_\_\_\_\_ Typical hours worked per week \_\_\_\_\_ [2]

Pay expected - £ \_\_\_\_\_ [1]

Dress Code / PPE \_\_\_\_\_ [1]

In the box below describe what this job involves?

[4]

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**Describe the personal skills and qualities** required to do this job.

[4]

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**Describe the Qualifications and Vocational skills** required on entry into this job.

[4]

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In the box below attach a job advertisement for the second job identified in task 1( b). You may find this in a newspaper or from a job search on the web.

(Each class member should have different job advertisements where possible)

(2)

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5. Complete the profile below for the job identified in Task 1 (b)

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Job title \_\_\_\_\_ Typical hours worked per week \_\_\_\_\_ [2]

Pay expected on entry to this job - £ \_\_\_\_\_ [1]

Dress Code / PPE \_\_\_\_\_ [1]

What does the job involve? [4]

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What **experience** would a person entering this job be expected to have.

[4]

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**Qualification and Vocational skills** required on entering this job.

[4]

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You have identified an entrepreneurial opportunity related to Joinery in task 1 (c)

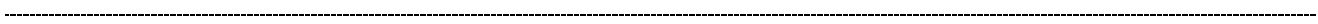
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List four personal skills you require to set up an enterprise related to joinery?

[4]

List five other requirements necessary to manage a successful enterprise related to joinery?

[5]





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7. Discuss how the job opportunities you have researched have influenced the type of career you may wish to follow.

The following points may assist in your discussion.

Job Role

Apprenticeship

Employment Opportunities

Job satisfaction

Salary

Career progression

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# Environmental issues

(60 marks)



One of the greatest issues for the environment of planet earth is the removal of tropical forests.



It would be much better to use native timbers which are grown in a sustainable way, i.e. when trees are felled for timber new trees are planted.

Identify **three** native hardwoods from the list below and state a typical use for them in the construction industry.

**Native hardwoods include :-**

**Horse Chestnut**

**Ash**

**Oak**

**Sycamore**

**Beech**

**Elm**

**Lime**

1. Timber name = \_\_\_\_\_. This type of timber would commonly be used for \_\_\_\_\_.

2. Timber name = \_\_\_\_\_. This type of timber would commonly be used for \_\_\_\_\_.

3. Timber name = \_\_\_\_\_. This type of timber would commonly be used for \_\_\_\_\_ [6]

Identify **three** softwoods from the list shown and state a typical use for them in the construction industry.

1. Timber name = \_\_\_\_\_. This type of timber would commonly be used for \_\_\_\_\_.

2. Timber name = \_\_\_\_\_. This type of timber would commonly be used for \_\_\_\_\_.

3. Timber name = \_\_\_\_\_. This type of timber would commonly be used for \_\_\_\_\_.

**Common softwoods are:**

**Pine**

**Fir**

**Spruce**

**Larch**

**Scotch Pine**

[6]



5. What is meant by the 3 Rs?

(3 marks)

R\_\_\_\_\_

R\_\_\_\_\_

R\_\_\_\_\_

6. Fill in the table below.

Give five examples of resources that you could <b>recycle</b> in the workshop or building site giving reasons for your answers.	Mark  /10
Give examples of five ways you can <b>reduce waste</b> in the workshop or building site.	/10

Give examples of five ways you can **re-use resources** in the workshop or building site.

/10

6. Explain what you understand by the term **Carbon Footprint** as it relates to this unit.

(5 marks)

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# Evaluation

# AO3

## INSTRUCTIONS TO CANDIDATES

Complete all evaluations.

Write your answers in the spaces provided.

The total mark for AO3 is 20.

Evaluations can be written, recorded and/or  
filmed.



# AO3 Evaluation Marks

## Guidance for Marking Self Evaluation

9 – 10 marks	Excellent	A highly evaluative response – clearly identifies strengths and weakness in performance and suggests improvements; well-reasoned judgments
7 - 8 marks	Very good	An evaluative response – clearly identifies strengths and weakness in performance and suggests improvements; limited reasoned judgments
5 - 6 marks	Good	Evidence of reflection on own performance, identifies strengths and weakness in performance
3 - 4 marks	Satisfactory	Attempt to evaluate own performance; descriptive rather than evaluative
1 - 2 marks	Basic	Simplistic response – limited detail in answers
0 marks	Unworthy of credit	No effort made to evaluate practical skills

# AO3 Task Evaluation

## Task Evaluation Base

Candidate Name:

Explain what you did to mark out the base. (Include tools and equipment used in your answer)

Explain how you cut out the joints and materials for the base. (Include tools and equipment used in your answer)

Give examples of problems and challenges which presented themselves in this task?

# AO3 Task Evaluation

Suggest how your outcomes can be improved and any recurring problems resolved if you were to repeat this task

What skills have you developed?

What have you learned from the experience?

Teacher / Lecturer  
Comments

### Task Evaluation walls

What did I do well in the assessment? Explain why.

What could I have done better in the assessment? Explain why.

What would I do differently the next time I perform a similar task? Explain why.



What skills have I developed?

What have I learned from the experience?

Teacher / Lecturer's Comments

<b>TOTAL MARKS</b>	<b>/10</b>
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### Task Evaluation roof

What did I do well in the assessment? Explain why.

What could I have done better in the assessment? Explain why.

What would I do differently the next time I perform a similar task?

What skills have I developed?

What have I learned from the experience?

Teacher / Lecturer Comments



<b>TOTAL MARKS</b>	<b>/10</b>



# AO3 End of Unit Evaluation

Final Evaluation (refer to diary)

What have I enjoyed about the manufacture of the Bird House?



What have I learned from this unit?



What skills have I gained in this unit?



What skills do I need to develop?

How will this help me with my future career, or in deciding the type of career I would not like to follow?



Clearly identify your strengths and weaknesses in making the bird house.

Teacher / Lecturer Comments

**TOTAL MARKS**

**/10**

This Learner's Assistant has been designed to help you in the writing of your diaries.

Activity / What I did today

	Section (AO1, AO2 & AO3)	How?
<p>I have learned about ...                      New skills I learned ...                      Skills that I developed                      ...</p>	<p>... Health &amp; safety                      ... Environment                      ... Careers                      ... Marking out your timber                      ... Research, planning &amp; time management                      ... Sourcing materials                      ... Cutting using a saw                      ... Using a chisel                      ... Drilling holes and putting in screws                      ... Time keeping</p>	<p>Listened to instructions                      Took care in marking, cutting and assembly                      Practised cutting and chiseling</p>

key words which you may find useful

<p>Communication                      (Listening and/or Verbal)                      Understanding                      Remember                      Apply / Application                      Create                      Learned                      Developed                      Shared                      Took part                      Independently                      Managed                      Recognise                      Define                      Value                      Compare                      Appraise                      Plywood</p>	<p>Recall                      Related                      Arranged                      Order                      Review                      Described                      Report                      Explained                      Expressed                      Related                      Identified                      Located                      Selected                      Solved                      Defend                      Support                      Estimate                      Adhesive                      Chisel</p>	<p>Solved                      Schedule                      Sketched                      Practiced                      Choose                      Demonstrated                      Used Employed                      Illustrated                      Examine                      Analysed                      Appraised                      Calculated                      Grouped                      Contrast                      Judge                      Predict                      Rate                      Timber</p>	<p>Tested                      Questioned                      Prepare                      Assemble                      Collect                      Compose                      Construct                      Joints                      Develop                      Formulate                      Manage                      Write                      Set up                      Plan                      Arrange                      Select                      Choose                      Attach                      Screws</p>
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