



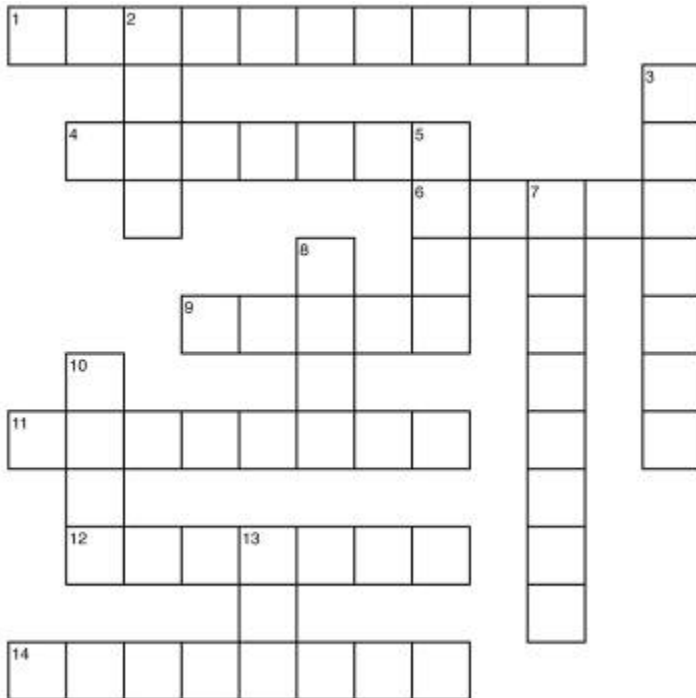
**Year 11 Transition  
Bricklaying  
Workbook 2**

Name .....

Date .....

## Chapter 3: Trowel occupations

### Crossword



### Across

1. ... helps prevent heat from escaping through the walls (10)
4. A type of bond (7)
6. A device used for mixing (5)
9. A part of a wall (5)
11. Breeze blocks are made from ... (8)
12. A tool used for cutting bricks (7)
14. A type of trowel (8)

### Down

2. ... is used to make mortar (4)
3. An upright mortar joint (7)
5. ... is used for holding plaster before application (4)
7. To check the gauge, you might use a ... (5,3)
8. This is used with pins (4)
10. A type of hammer (4)
13. To ... out is a job you do before building a wall (3)

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Name .....

Date .....

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## Tool identification 1

Name the trowels shown, and describe what each is for.

1



Answer: \_\_\_\_\_

2



Answer: \_\_\_\_\_

3



Answer: \_\_\_\_\_

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## Tool identification 2

Name the trowels shown, and describe what each is for.

1



Answer: \_\_\_\_\_

---

2



Answer: \_\_\_\_\_

---

3



Answer: \_\_\_\_\_

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## Tool identification 3

Name the tools shown, and describe what each is for.

1



Answer: \_\_\_\_\_

2



Answer: \_\_\_\_\_

3



Answer: \_\_\_\_\_

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## Tool identification 4

Name the tools shown, and describe what each is for.

1



Answer: \_\_\_\_\_

---

2



Answer: \_\_\_\_\_

---

3



Answer: \_\_\_\_\_

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Name .....

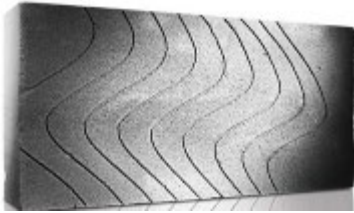
Date .....

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## Material identification

Name the materials shown, and describe what each is used for.

1



Answer: \_\_\_\_\_

2



Answer: \_\_\_\_\_

3



Answer: \_\_\_\_\_

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## Tiling equipment identification

Name the tools shown, and describe what each is for.

1



Answer: \_\_\_\_\_

---

2



Answer: \_\_\_\_\_

---

3



Answer: \_\_\_\_\_

---



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## Tools and materials list 1

When doing a job you will need to work out what tools and materials you need before you start. Before beginning the practical job, fill in the first tools and materials list with everything you need (see table on following sheet). Remember to include things like adhesive and screws.

While you are making the item, write out the second list, checking you have got everything you used on the list. Then compare this list with your first one and see if you have missed anything out.

Write all sizes (if applicable) in millimetres. Many materials you use will have three dimensions (sizes) for you to write down. These will be the width, thickness and length.

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## Tools and materials list 2

TOOLS			
What I think I will use before starting job		What did I actually use in completing this job?	
MATERIALS			
What I think I will use before starting job		What did I actually use in making this job?	
Item	Size (mm)	Item	Size (mm)

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## Assessing the risks

When doing the task you will need to be aware of the risks involved with trowel materials. There will be tools, dust and other possible hazards around while you are working.

Using this worksheet, describe the things you have spotted, how you think this risk is being minimised, and how you can work safely. Compare your list with others in your group – see what you have missed out and what you have spotted that someone else has not.

<b>Risk</b>	<b>How is the risk being controlled? How can you work safely?</b>
<b>What harm could be done?</b>	
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Name .....

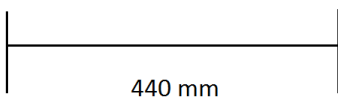
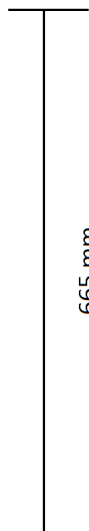
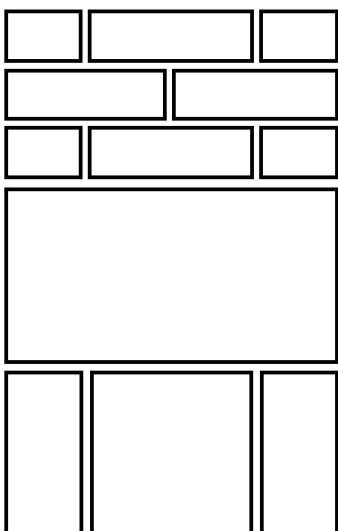
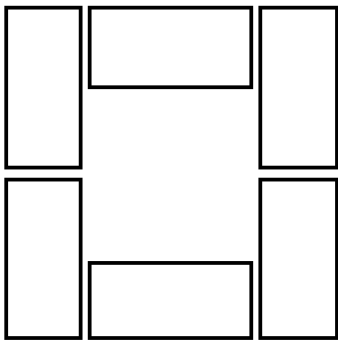
Date .....

## Pier 1

Make the pier as shown in the picture. The joints are to be half-round. The materials will be provided to you ready prepared so all you have to do is make it.

When you have completed the job, mark the job yourself, thinking about what you could have done better and what you think you did really well. Your tutor will then mark the job. Use the following sheet to write any thoughts you might have about this job, and the tutor will record any feedback if required. Keep this to refer to in the future.

There is a separate worksheet to write down material requirements for this job (Tools and materials list 2) and another to consider the risks involved with producing the pier (Assessing the risks).



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## Pier 2

How well did you do?

	Student (Y/N)	Tutor (Y/N)
Is the job square within 1 mm?		
Is the pier plumb within 3 mm?		
Is the pier the correct size within 2 mm?		
Are all the joints full and complete?		
Are the bricks and blocks laid level and ranged correctly?		

Use this space for feedback if required.

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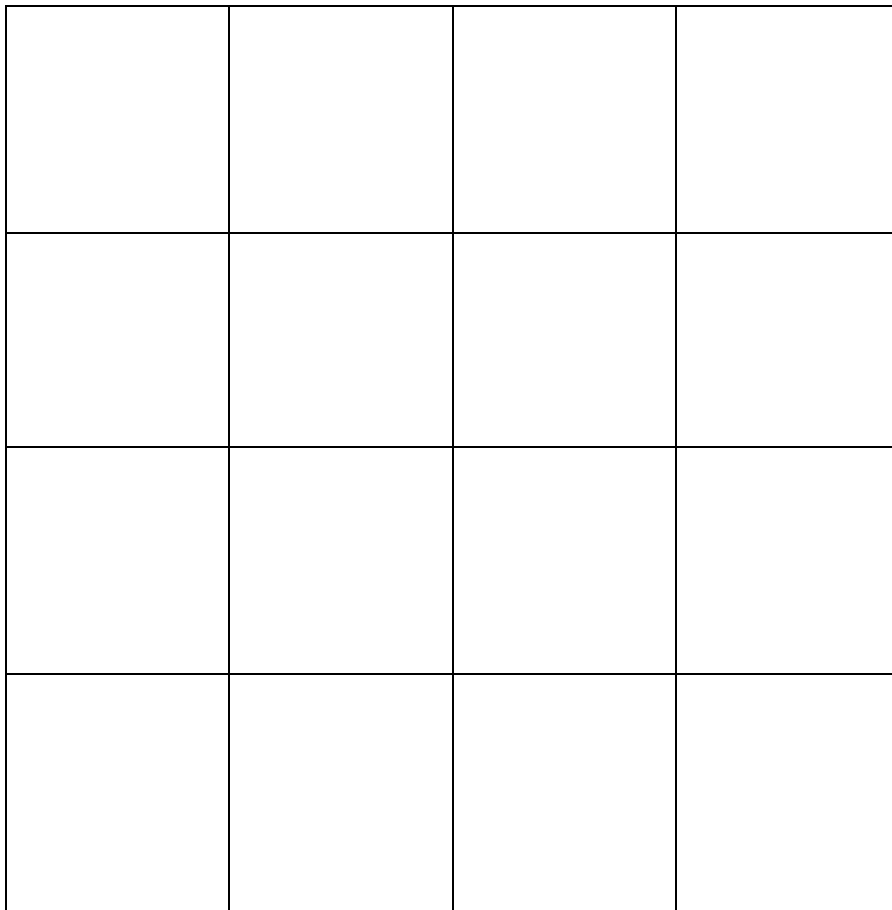
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## Tiling 1

Tile the area shown in the picture. The tiles will be stuck to a vertical wall. You will have to mark out the wall for plum and level, and you might have to fix some battens to align the tiles before starting. You will need to grout the tiles when you have finished. The materials will be provided to you ready prepared so all you have to do is tile it.

When you have completed the job, mark the job yourself, thinking about what you could have done better and what you think you did really well. Your tutor will then mark the job. Use the following sheet to write any thoughts you might have about this job, and the tutor will record any feedback if required. Keep this to refer to in the future.

There is a separate worksheet to write down material requirements for this job (Tools and materials list 2) and another to consider the risks involved with producing the job (Assessing the risks).



4 × 4 tiled area, with 150 mm tiles

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Name .....

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## Tiling 2

How well did you do?

	Student (Y/N)	Tutor (Y/N)
Are the tiles fitted level within 2 mm?		
Are the tiles fitted plumb within 2 mm?		
Are the tiles fitted flush (flat) with each other?		
Are the joints consistent (the same) throughout the job?		
Is the job properly grouted with any residual grout removed?		

Use this space for feedback if required.