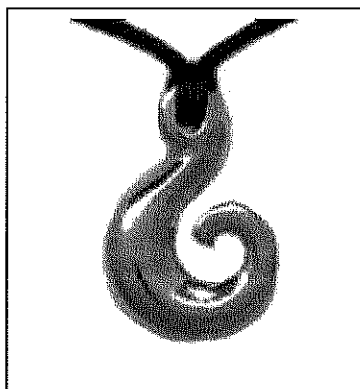


# Pewter Casting

## Jewellery Project



Target met?

Previous targets: \_\_\_\_\_

Attitude to learning:

	Always	Usually	Occasionally	Rarely
Classwork	1	2	3	4
Homework	1	2	3	4
Participation	1	2	3	4

Subject criteria:

Research	Ideas	Planning	Making	Evaluating	Knowledge and Understanding

Target	Areas for improvement:	Target	Areas for improvement:
	Complete all tasks set		Annotate sketches / ideas
	Complete homework		Add colour to your sketches / ideas
	Read instructions carefully		Add more detail to your research / evaluations
	Focus on the presentation of your work		Label star diagrams and include a key
	Submit booklet on the due date		Add more detail to time plans

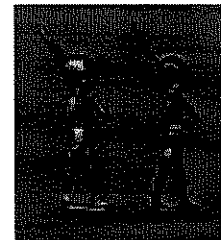
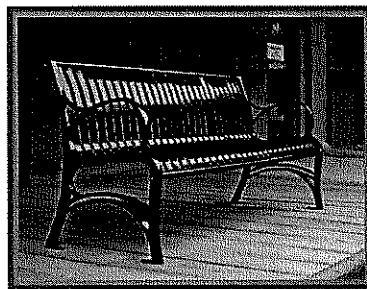
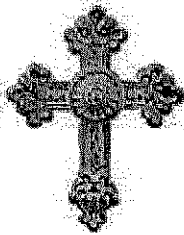
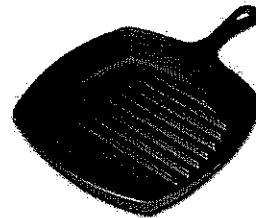
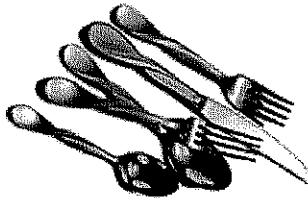
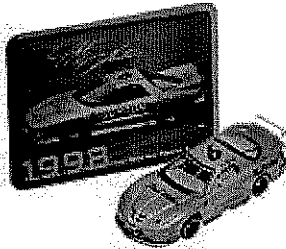
Name:

TG:

Date:

## Project Introduction

Intricate shapes can be made by re-forming metals. This involves melting them and then pouring the molten metal into a mould and allowing it to set by cooling. Many products large or small can be cast from a range of metals.



Can you find three items in the workshop, which may have been shaped by casting?

1. ....
2. ....
3. ....

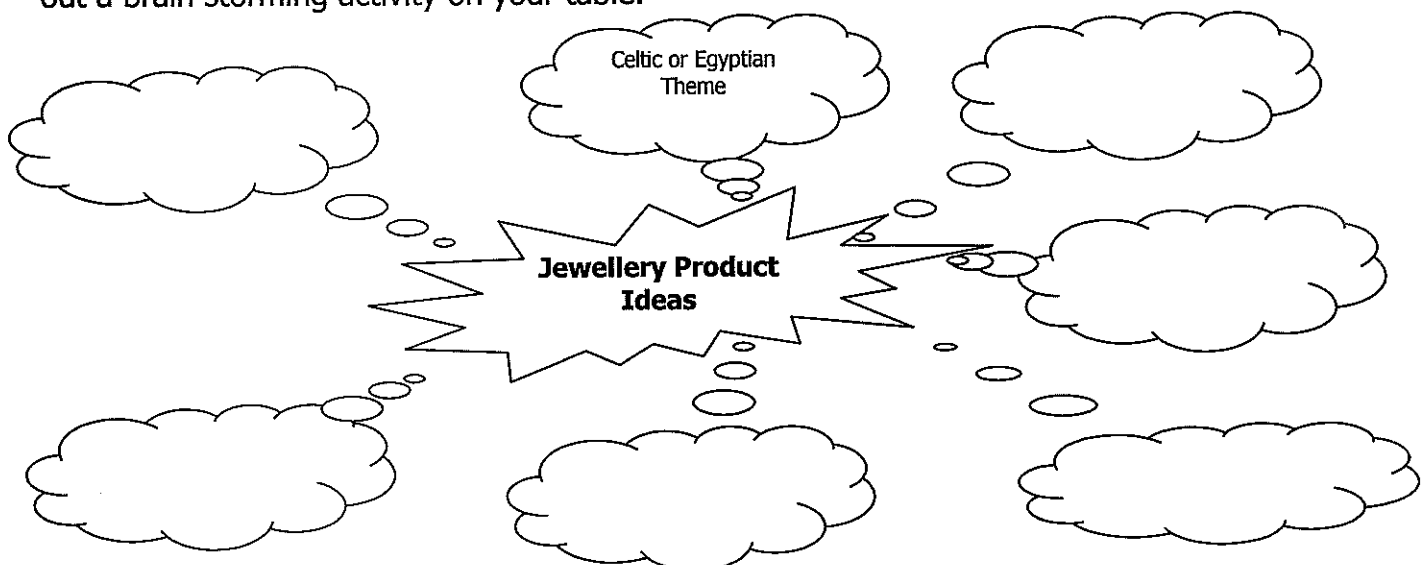
### Task

Design and manufacture an item of jewellery that can be cast from pewter. The shape and theme is your choice. However it must be easily identifiable.

### There is only one limitation:-

The final product should be no larger than 45mm x 45mm x 5mm

To help you start thinking about possible themes/shapes for your jewellery product carry out a brain storming activity on your table.



**Research**

Use this page to present your research on possible shapes and or themes

**Preliminary Designs**

Ensure that you;

Use your research to generate designs. Generate small, clear designs. Add annotations to show your thoughts.

Do not use a ruler or an eraser...none of your designs can be wrong.

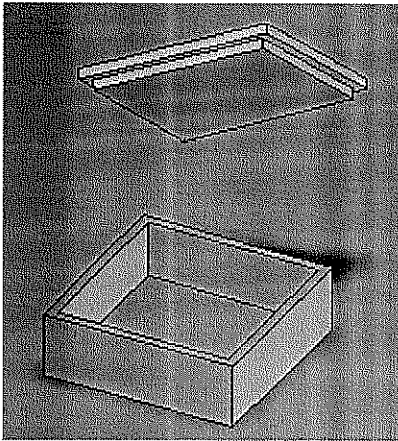
**Development of chosen designs**

Develop designs that you like, you made need to simplify them as cuttlefish bone can be difficult to carve out intricate shapes.

Start adding dimensions. Record your thoughts through annotations. Trace your final solution using tracing paper.

## Presentational Box

Once your jewellery item has been made, you'll need to make a 'high class' presentational box.



A clear acrylic lid has already been cut for you to save time. The edges still need polishing though!

The box you will need to assemble from 3mm thick MDF.

**Be careful not to make any mistakes as doing things twice costs time and money!**

1. Glue all the MDF pieces together to make a box using PVA glue.
2. The acrylic lid will need sanding to the correct size and then finish the edges using wet & dry paper and brasso.

### Extension activity.

If you've finished take a digital photograph of your item. Print it out and trim it to a slightly smaller size than the box you've just made. Your teacher will arrange for it to be laminated and then it can be placed in the bottom of your box. The result should be quite impressive!

## Evaluation

What parts of the project went wrong, why?

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If you were to do this project again what would you do differently?

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Fi

nally ask ten people in your class to grade your overall outcome, out of 10 marks. If they are honest you will be able to get some idea of how well you've done in this project.

1. .... /10    2. .... /10    3. .... /10    4. .... /10    5. .... /10    6. .... /10  
7. .... /10    8. .... /10    9. .... /10    10. .... /10

Your average mark here...../10