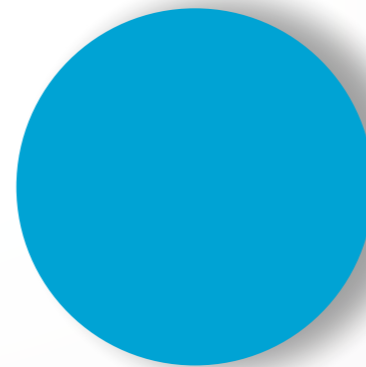


JEWELLERY MANUFACTURE - TOOLS AND TECHNIQUES

PART TWO

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO
DOWNLOAD THE “
JEWELLERY AND SILVERSMITHING -2” APP, FROM THE
INTERACTIVE MOBILE APP SECTION OF
www.technologystudent.com

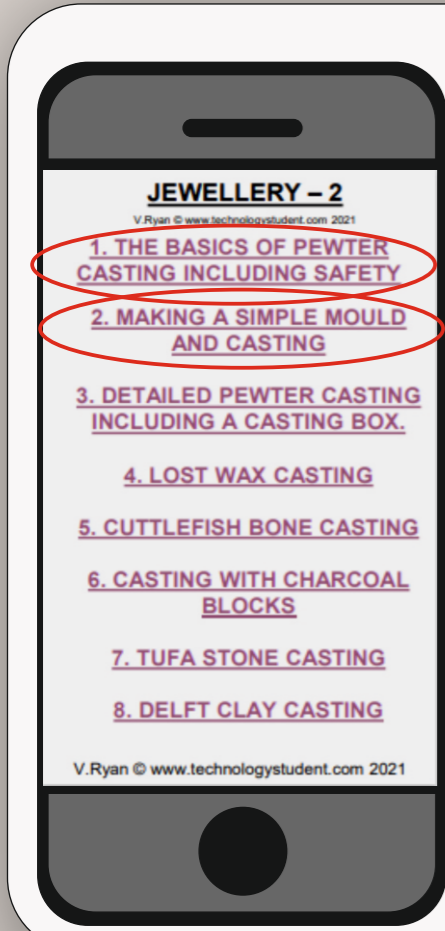
**CLICK ON THE
BUTTON
TO DOWNLOAD
THE APP**



Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

IF YOU ARE AN EDUCATOR, CONSIDER JOINING US AT FACEBOOK – WORLD ASSOCIATION OF TECHNOLOGY TEACHERS

<https://www.facebook.com/groups/254963448192823/>



PEWTER CASTING

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'JEWELLERY AND SILVERSMITHING -2' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

LINK

<https://technologystudent.com/mobapps/jewellery2.pdf>

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?
USE THE MOBILE App!!**

1 WHAT IS PEWTER AND WHY IS IT IDEAL FOR SMALL SCALE CASTING?

2 NAME A MATERIAL SUITABLE FOR MAKING A PATTERN / MOULD, SUCH AS THE EXAMPLE SHOWN BELOW.

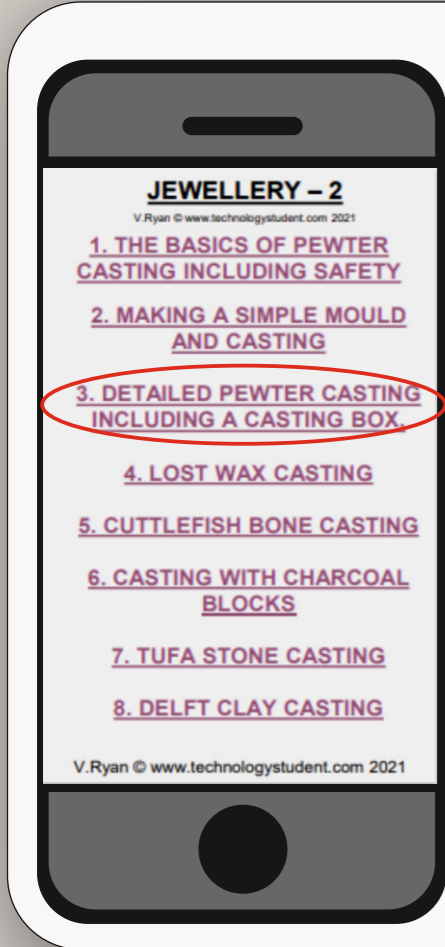
MATERIAL: _____

3 DESCRIBE THE PEWTER CASTING PROCESS SHOWN HERE. Write your description in the next box.

YOUR DESCRIPTION OF THE PEWTER CASTING PROCESS.

4 SEARCH THE INTERNET FOR PRODUCTS MANUFACTURED FROM PEWTER. LIST SIX BELOW.

HELPFUL LINK: <https://technologystudent.com/mobapps/jewellery2.pdf>



PEWTER CASTING

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'JEWELLERY AND SILVERSMITHING -2' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

LINK

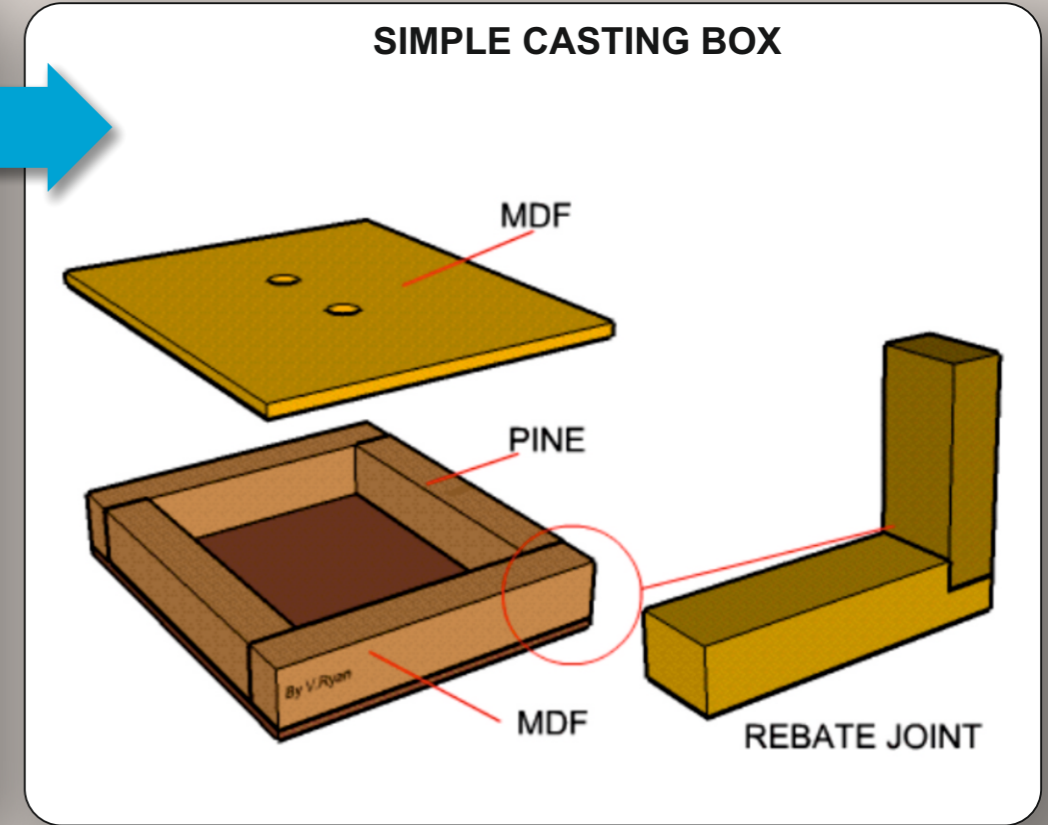
<https://technologystudent.com/mobapps/jewellery2.pdf>

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?
USE THE MOBILE App!!**

1

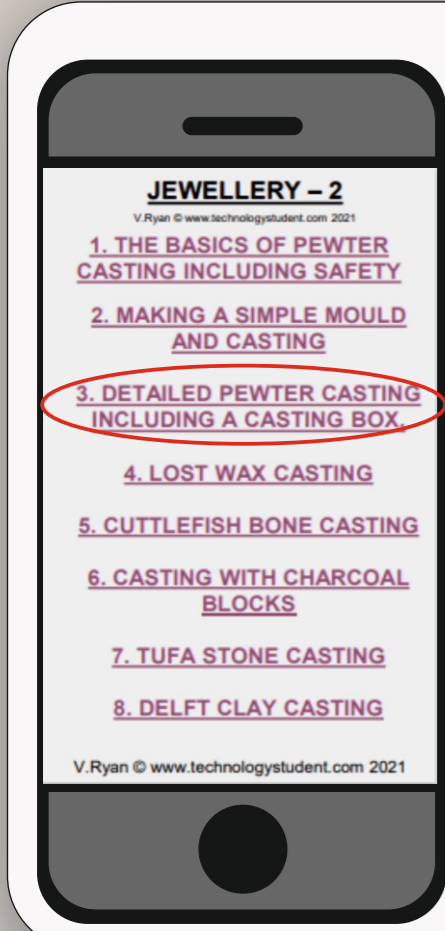
A SIMPLE CASTING BOX CAN BE MADE FROM WOOD BASED MATERIALS (SEEN IN THE BOX OPPOSITE). DESCRIBE THE BOX.



2

USING NOTES AND SKETCHES, DESCRIBE THE 'PACKING' OF THE BOX WITH SAND, READY FOR CASTING

HELPFUL LINK: <https://technologystudent.com/mobapps/jewellery2.pdf>



PEWTER CASTING

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LINK

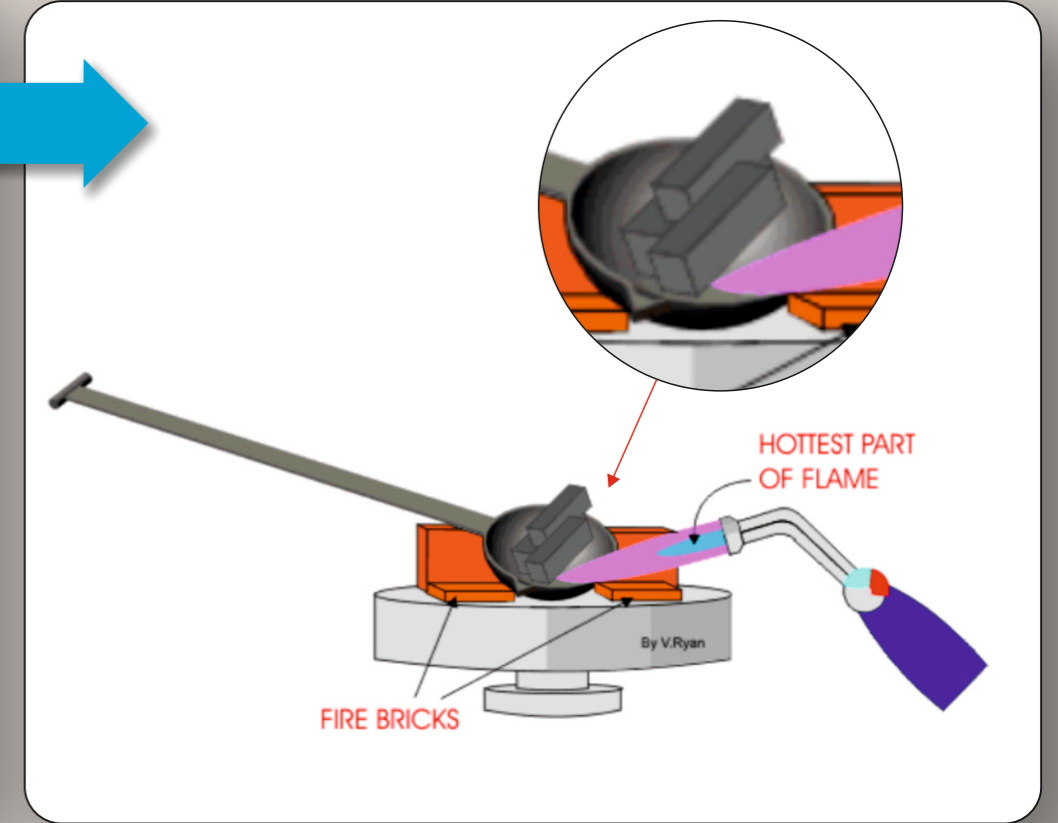
<https://technologystudent.com/mobapps/jewellery2.pdf>

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**ARE YOU READY?
USE THE MOBILE App!!**

1

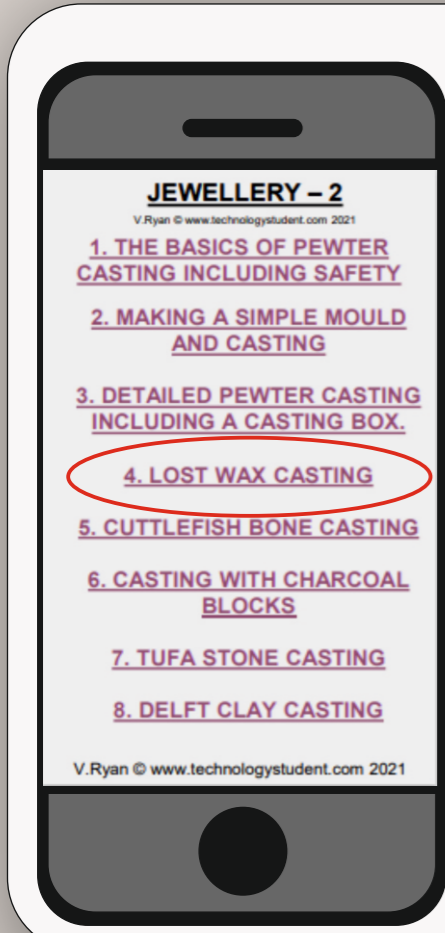
DESCRIBE THE HEATING OF PEWTER ON A BRAZING HEARTH, FOR CASTING, AS SHOWN IN THE BOX OPPOSITE.



2

USING NOTES AND YOUR OWN SKETCH or AN IMAGE, EXPLAIN HOW THE PEWTER IS POURED INTO THE CASTING BOX.

HELPFUL LINK: <https://technologystudent.com/mobapps/jewellery2.pdf>



LOST WAX CASTING INVESTMENT METHOD

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LINK

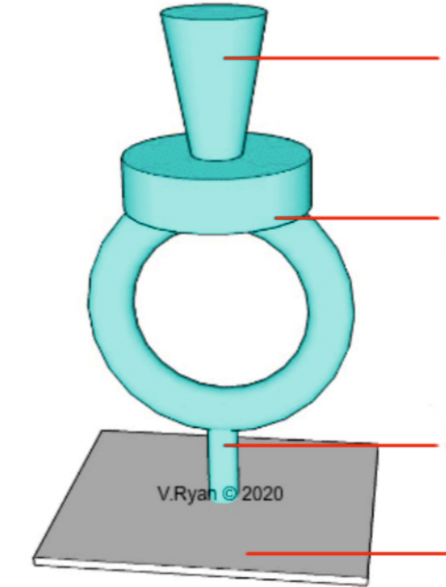
<https://technologystudent.com/mobapps/jewellery2.pdf>

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

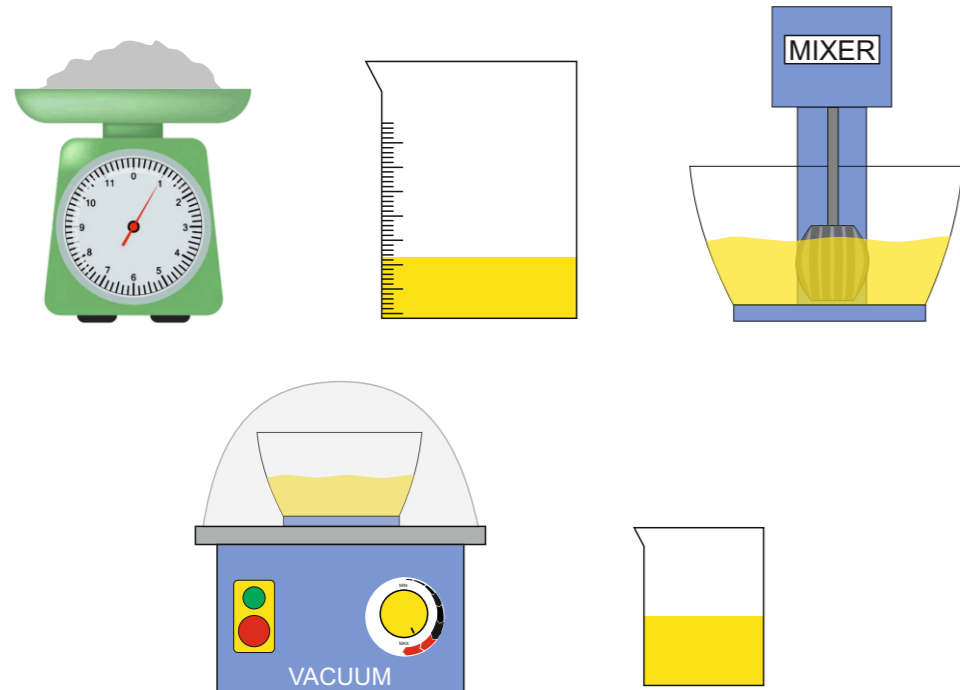
**ARE YOU READY?
USE THE MOBILE App!!**

1 BRIEFLY, DESCRIBE LOST WAX CASTING.

2 LABEL THE PARTS OF THE WAX MODEL. THE MODEL WILL BE USED TO FORM A MOULD, FOR LOST WAX CASTING.



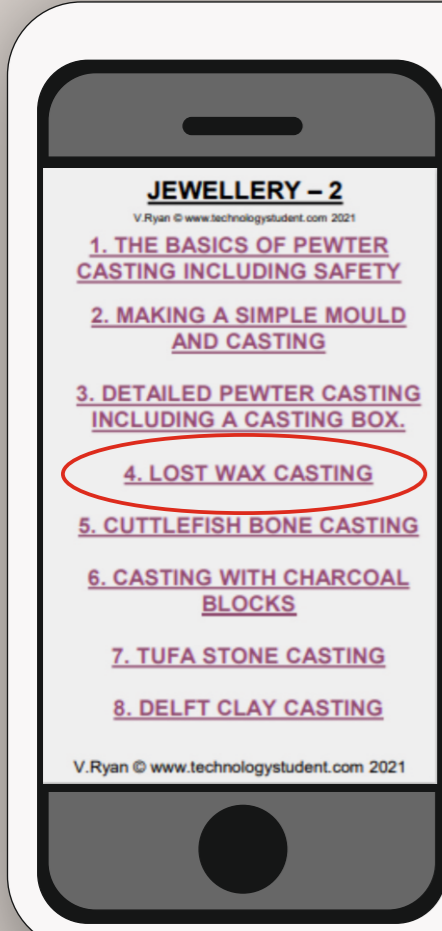
3 DESCRIBE THE MIXING PROCESS FOR 'INVESTMENT', SHOWN BELOW. Write your description in the next box.



YOUR DESCRIPTION OF THE MIXING PROCESS.

4 DESCRIBE PREPARING THE FLASK. READY FOR CASTING.

HELPFUL LINK: <https://technologystudent.com/mobapps/jewellery2.pdf>



LOST WAX CASTING INVESTMENT METHOD

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LINK

<https://technologystudent.com/mobapps/jewellery2.pdf>

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**ARE YOU READY?
USE THE MOBILE App!!**

1

WHAT IS SILICONE RUBBER? Explain the different types.

2

HOW IS SILICONE RUBBER MIXED AND PREPARED FOR A MOULD?

3

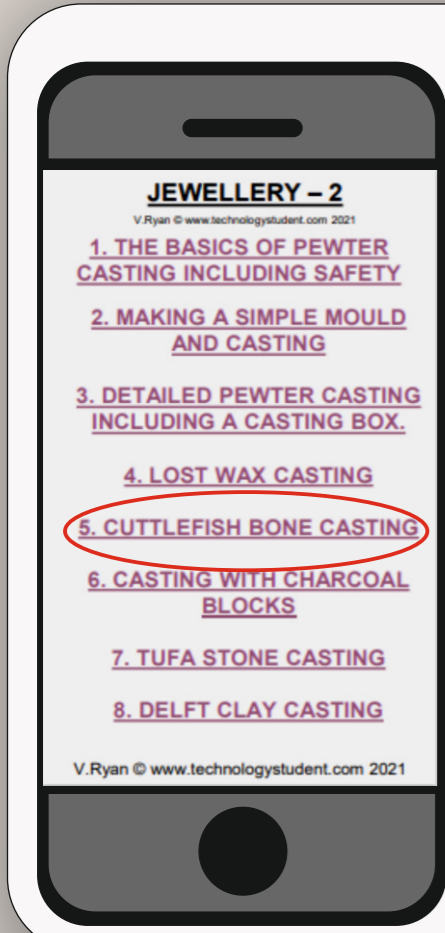
USING NOTES AND SKETCHES, DESCRIBE HEATING AND POURING THE METAL INTO A MOULD, FOR LOST WAX CASTING. Write your description in the next box and sketch below.

SKETCHES



YOUR EXPLANATION / DESCRIPTION

HELPFUL LINK: <https://technologystudent.com/mobapps/jewellery2.pdf>



LOST WAX CASTING INVESTMENT METHOD

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**ARE YOU READY?
USE THE MOBILE App!!**

1

BRIEFLY, DESCRIBE CUTTLFISH BONE CASTING.

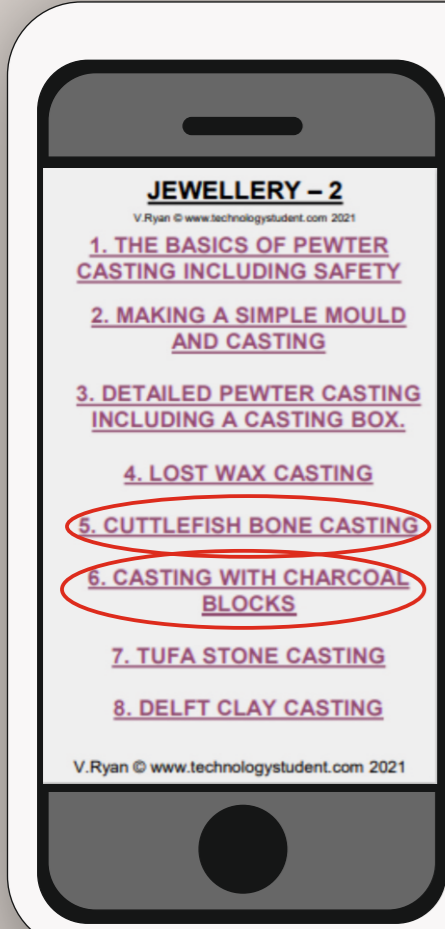
2

PASTE AN IMAGE OF A CUTTLFISH BONE.

3

USING NOTES AND YOUR OWN SKETCH or IMAGES, EXPLAIN HOW THE CUTTLFISH BONE IS PREPARED AS A MOULD.

HELPFUL LINK: <https://technologystudent.com/mobapps/jewellery2.pdf>



LOST WAX CASTING INVESTMENT METHOD

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LINK

<https://technologystudent.com/mobapps/jewellery2.pdf>

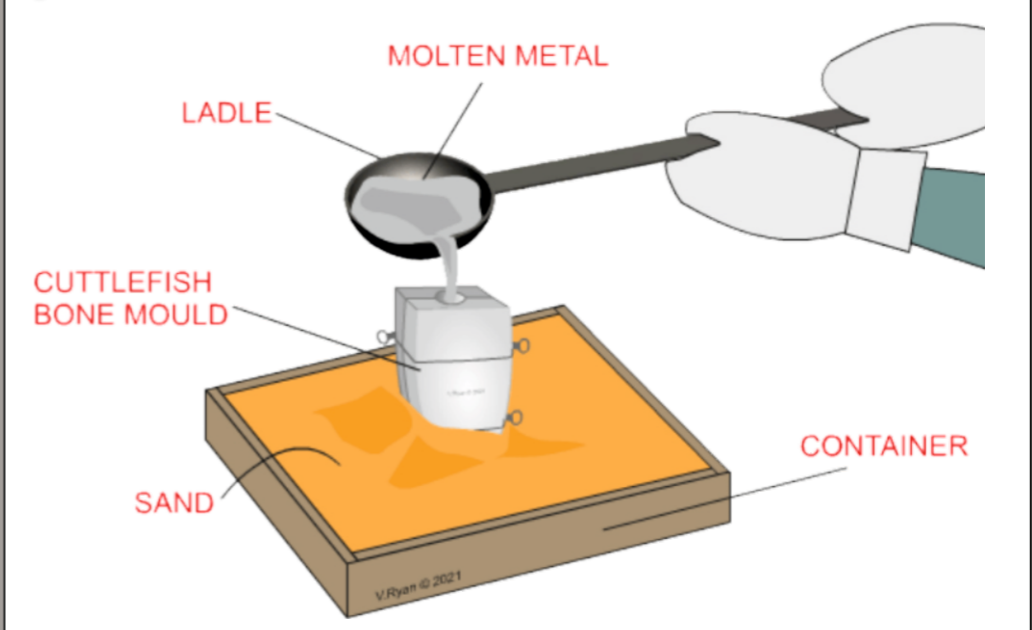
Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?
USE THE MOBILE App!!**

1

DESCRIBE THE POURING OF MOLTEN METAL INTO A CUTTLIFISH BONE MOULD. (Shown opposite)

POURING MOLTEN METAL INTO THE MOULD.



2

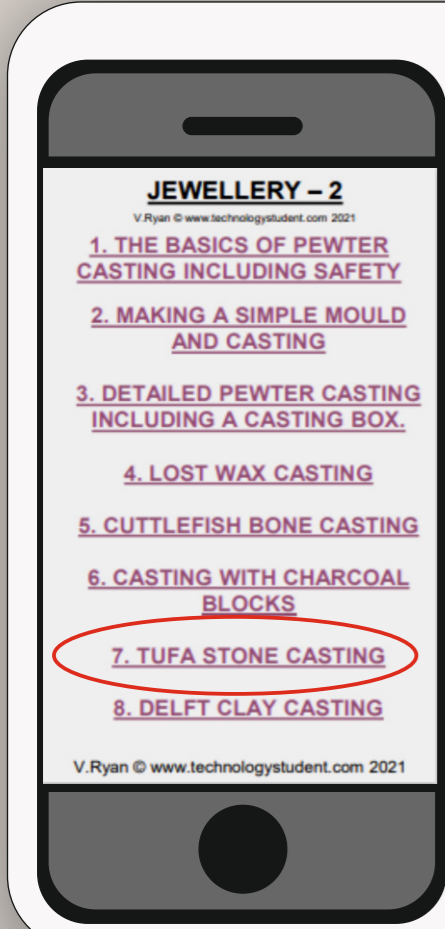
DESCRIBE HOW A CHARCOAL BLOCK CAN BE USED DURING SOLDERING.

Include a sketch / image

3

DESCRIBE HOW CHARCOAL BLOCKS ARE PREPARED AND USED FOR CASTING.

HELPFUL LINK: <https://technologystudent.com/mobapps/jewellery2.pdf>



LOST WAX CASTING INVESTMENT METHOD

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LINK

<https://technologystudent.com/mobapps/jewellery2.pdf>

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**ARE YOU READY?
USE THE MOBILE App!!**

1

DESCRIBE HOW TUFA STONE IS PREPARED AS A MOULD.

Do not include the casting procedure **BUT** include an image /sketch to support your description.

YOUR IMAGE OF A TUFA STONE, PREPARED FOR CASTING .



3

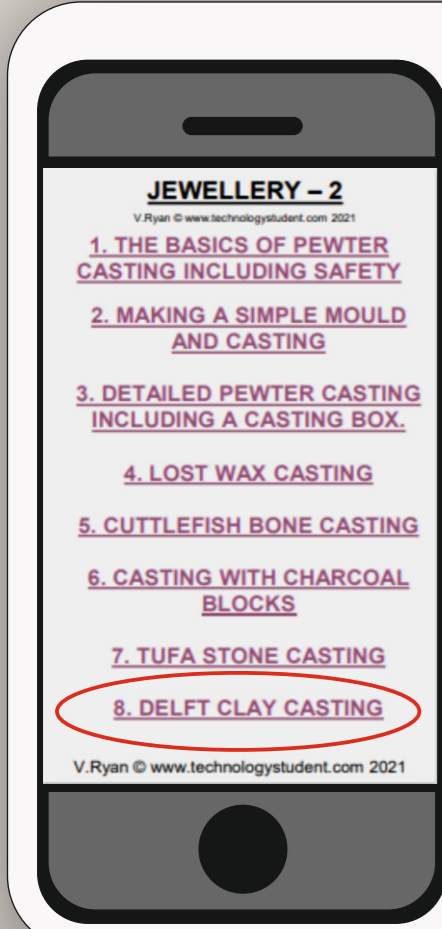
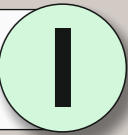
WHAT IS THE REASON FOR CARBONISING THE SURFACE OF TUFA STONE?

2

DESCRIBE HOW A TUFA STONE MOULD IS SET UP FOR CASTING .

Include a sketch / image.

HELPFUL LINK: <https://technologystudent.com/mobapps/jewellery2.pdf>



LOST WAX CASTING INVESTMENT METHOD

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LINK

<https://technologystudent.com/mobapps/jewellery2.pdf>

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**ARE YOU READY?
USE THE MOBILE App!!**

1

WHAT IS DELPH CLAY? WHY IS IT SUITABLE FOR CASTING JEWELLERY?

2

SKETCH OR PASTE AN IMAGE OF DELPH CLAY CASTING BOXES, READY FOR CASTING.

2

DESCRIBE HOW DELPH CLAY AND CASTING BOXES ARE PREPARED FOR CASTING.

Include sketches / images AND brief notes.

HELPFUL LINK: <https://technologystudent.com/mobapps/jewellery2.pdf>