

Issued: Wk. beginning

Name.....
Target



Maida Vale's glorious mosaic sign is an original design feature of this Grade II listed station. The Bakerloo stop celebrated its 100th birthday last year. When it opened, Maida Vale was entirely staffed by women – a novelty at the time, prompted by changes to the workforce during the first world war



Design and Technology Year 7 Home Learning

L.O. To create a mosaic that performs a function.



What is a mosaic? Mosaics have been used for thousands of years to illustrate stories and decorate spaces, they are described as a picture or pattern produced by arranging small pieces of stone, tiles, glass or other materials together.

Today mosaics are sold as products that decorate peoples homes - Can you create a mosaic which has a function?



**The most creative product will receive a £15 Love2shop voucher!
Runner ups will receive mini prizes
and post cards home**



You will be given a piece of MDF as a base to add your mosaic.

GOLD CHALLENGE: Create a mosaic in the style of Antoni Gaudi.

This is the only Home learning for Design and Technology in year 7. It is expected that you spend 4-5 hours in completing this task to a high quality outcome

Interim Deadline: Wk beginning _____ Final Deadline: Wk beginning _____

Yr 7 Home Learning Mosaic Design



TASK

- Use the scaled grid to draw your design idea.
- Use **sharp pencils** when drawing your design
- Use **crayons** to render your design (not felt tip pens)
- Ensure the rendering is neat, within the lines and in one direct
- Use **block colours** OR consider shade and tone
- Draw your design like a mosaic
- Ensure the product has a **function** such as hooks/ door plaques/ wind chimes,
- Annotate your idea explaining where you got your idea from, the function of the product, the aesthetics, materials, size and how you will make it.
- Annotate how you will **consider safety**
- **Calculate** the overall cost of the product
- Ensure that the design and the mosaic product is a **high quality outcome.**
- Use complex sentences to describe and explain your product
- **Challenge: Consider inspiration from:** Antonio Gaudi or Magda Buscetto



AESTHETICS

Yr 7 Home Learning Mosaic Design

CLIENT

COST

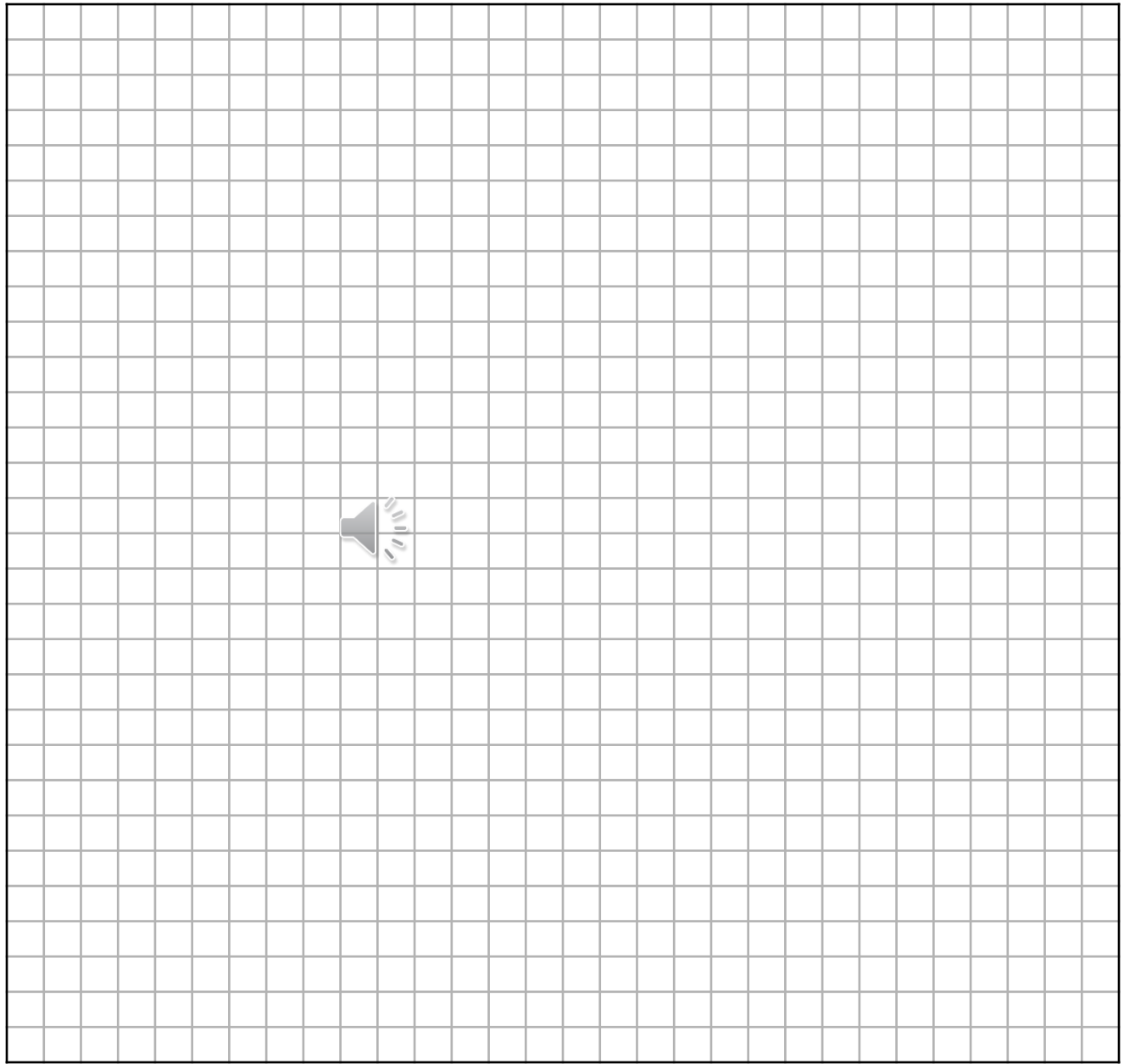
ENVIRONMENT

SIZE

SAFETY

FUNCTION

MATERIALS



Name.....

Yr 7 Home Learning Mosaic Design



Aesthetics

have chosen bright colours to make my design eye catching and desirable

Cost

the design cost around £10 when I had bought my tiles and grout.

Customer

This would appeal to children

Environment

I could make this more environmentally friendly by using recycled tiles.

Size

The size of the tray is 700 x 400mm

Target giving the tiles

and goggles when breaking the tiles

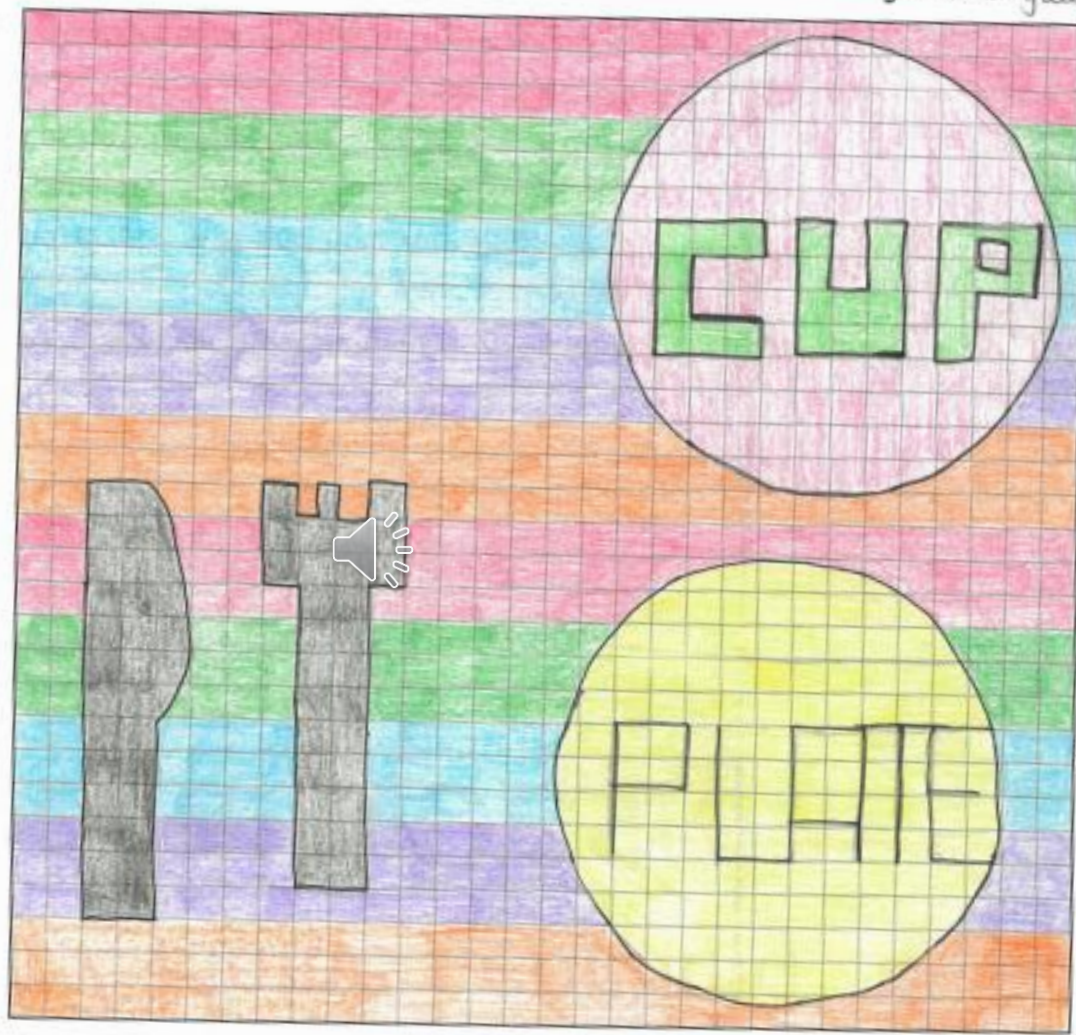
Function

This a place mat inset into a tray

Material

Wooden outer tray, tiles (porcel-ain),

grout.



UNSTUCK STRATEGY

We use **ACCESS FM** to help us write a **specification** - a list of requirements for a design - and to help us **analyse and describe** an already existing product.

ACCESS FM - Helpsheet

A is for **Aesthetics**



Aesthetics means **what does the product look like?**
What is the: Colour? Shape? Texture? Pattern? Appearance? Feel? Weight? Style?

C is for **Cost**



Cost means **how much does the product cost to buy?**
How much does it: Cost to buy? Cost to make?
How much do the different materials cost? Is it good value?

C is for **Customer**



Customer means **who will buy or use your product?**
Who will buy your product? Who will use your product?
What is their: Age? Gender?
What are their: Likes? Dislikes? Needs? Preferences?

E is for **Environment**



Environment means **will the product affect the environment?**
Is the product: Recyclable? Reuseable? Repairable? Sustainable?
Environmentally friendly? Bad for the environment?
6R's of Design: Recycle / Reuse / Repair / Rethink / Reduce / Refuse

S is for **Size**



Size means **how big or small is the product?**
What is the size of the product in millimeters (mm)? Is this the same size as similar products? Is it comfortable to use? Does it fit?
Would it be improved if it was bigger or smaller?

S is for **Safety**



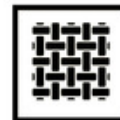
Safety means **how safe is the product when it is used?**
Will it be safe for the customer to use? Could they hurt themselves?
What's the correct and safest way to use the product? What are the risks?

F is for **Function**



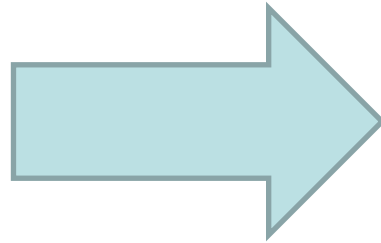
Function means **how does the product work?**
What is the products job and role? What is it needed for? How well does it work? How could it be improved? Why is it used this way?

M is for **Material**



Material means **what is the product made out of?**
What materials is the product made from? Why were these materials used? Would a different material be better? How was the product made? What manufacturing techniques were used?

Q: What does OUTSTANDING look like?



Using the history of mosaics to inspire creative products



Q: Explain what makes this an outstanding homework?

Q: What does outstanding look like?



Q: What does outstanding look like?



Q: What does outstanding look like?



Q: What does outstanding look like?



Q: What does outstanding look like?



Assessment – Marking Criteria Grid and FOT

Yr7

Well done on your MOSAIC HWK - Design and Technology

Name	Group
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FOT
<input type="checkbox"/> Name the best tools to use when drawing A: _____ _____
<input type="checkbox"/> Describe the two top tips when rendering A: _____ _____
<input type="checkbox"/> To construct a sentence about rendering using the key words: Pressure/ neatly/ even/ direction/tone/shade A: _____ _____
<input type="checkbox"/> Explain the term function? A: _____ _____
<input type="checkbox"/> Explain why we dimension in (mm) A: _____ _____
<input type="checkbox"/> Explain how you manufactured your product? A: _____ _____
<input type="checkbox"/> Explain the skills used when manufacturing a high quality product A: _____ _____
<input type="checkbox"/> Explain how you would modify your product, develop and improve it if you were to do it again A: _____ _____ _____ _____ _____ _____ _____ _____ _____
<p style="font-size: 24pt; font-weight: bold; margin: 0;">Total</p> <p style="font-size: 24pt; font-weight: bold; margin: 0;">/30</p>

MB 1/2	MB 3/4	MB 5/6
<p>You have:</p> <p>Drawn a basic sketch of an idea</p>	<p>You have:</p> <p>You have completed a design idea neatly with a sharp pencil and ruler where necessary with some creativity</p>	<p>You have:</p> <p>Designed a creative outcome using a sharp pencil, ruler where necessary and shown differences in shade and tone</p>
<p>You have:</p> <p>Applied colour rendering with some consideration</p>	<p>You have:</p> <p>Applied colour rendering paying attention to detail mainly staying within the lines.</p>	<p>You have:</p> <p>Applied colour rendering within the lines, you have applied even pressure in one direction</p>
<p>You have:</p> <p>Added simple labels around the product explaining your thoughts and idea</p>	<p>You have:</p> <p>Annotated your design idea describing aesthetics, function, materials, size (mm) and manufacture.</p>	<p>You have:</p> <p>Annotated the idea explaining in detail aesthetics, function, materials, size (mm) manufacture, safety and cost.</p>
<p>You have:</p> <p>Made a recognizable product with some attention to quality of finish</p>	<p>You have:</p> <p>Manufactured an accurate mosaic with a function</p>	<p>You have:</p> <p>Created a high quality mosaic using a range of materials with a clear function.</p>
<p>S-T-R-E-T-C-H & CHALLENGE</p> <p>You have manufactured your mosaic keeping the original size and shape of the board</p>	<p>S-T-R-E-T-C-H & CHALLENGE</p> <p>You have changes the shape of the original board showing levels of creativity</p>	<p>S-T-R-E-T-C-H & CHALLENGE</p> <p>You have significantly altered, changed the shape of the board to CREATE high quality product in the style of a designer Antoni Gaudi</p>