

Year 8 - Homework book

Name _____

Class _____

Teacher _____



Home work task 1: Mood board



Task

Collect images of Alessi's work to create a mood board using secondary research. You must collect a wide variety of images and fill the two pages given to you. Drawings are not allowed.

Homework task 2 – Product analysis



Task

As designers we look at existing products to see why they sell well, what we could improve upon and if there is a gap in the market. We do this by using ACCESS FM. Use ACCESS FM to **analyse and research one** of the products below. Use FULL SENTANCES to complete each section. YOUR WILL NEED TO USE INDEPENDENT RESEARCH FOR THIS TASK !



Alessi pencil sharpener

ACCESS FM EXPLAINED

A – Aesthetic – What does the product look like? What are the colours, shapes, textures and overall look of the product?

C – Cost – How much does this product cost to buy?

C – Customer – Who would buy and use this product and why?

E –Environment – How will this product affect the environment?
Is it environmentally friendly?

S – Size – How big or small is this product? What are the measurements for these products?

S – Safety – How safe is this product to use? Can all ages use it?
Could a customer get hurt using this product?

F – Function – What is the job of this product? What do you use it for and why?

M – Materials – What is this product made out of and why?

Home work task 2 – Product analysis



A

C

C

E

S

S

F

M

Homework task 3 – Product analysis



Task

As designers we look at existing products to see why they sell well, what we could improve upon and if there is a gap in the market. We do this by using ACCESS FM. Use ACCESS FM to **analyse and research one** of the products below. Use FULL SENTANCES to complete each section. YOUR WILL NEED TO USE INDEPENDENT RESEARCH FOR THIS TASK !



Alessi Pet food bowl

ACCESS FM EXPLAINED

A – Aesthetic – What does the product look like? What are the colours, shapes, textures and overall look of the product?

C – Cost – How much does this product cost to buy?

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Could a customer get hurt using this product?

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M – Materials – What is this product made out of and why?

Home work task 3 – Product analysis



A

C

C

E

S

S

F

M

Homework task 3 – Independent research



Task

In Design Technology, we often look at different designers to inspire our work. Research the company Alessi and provide information about the company and products. You must write in full sentences and you can include images.

Homework task 4: Tone and shading



Task

In Design technology we often need to produce drawings to show our work to others. To make our work look more realistic, we use tone to add depth to our work and make it look more three dimensional. Add tone (shading) to the shapes below to make them look more three dimensional.

Tips for shading

The direction of the light and how it hits the object is important in a drawing. Shadows are on the sides away from the light.

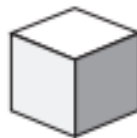
Light from left = shadows on right



Light from right = shadows on left



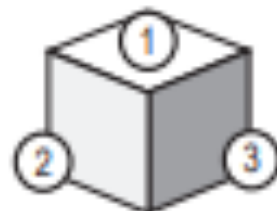
The strength of the shadow's edges are determined by the object you are drawing. Something with sharp sides, like a cube, will have dark, or hard, shadows at the edges. The darkness of the shadow on the shaded side will not change much. Something with a curved surface, like a ball, will have a softer, more gradual shadow on the shaded side.



Shadow value

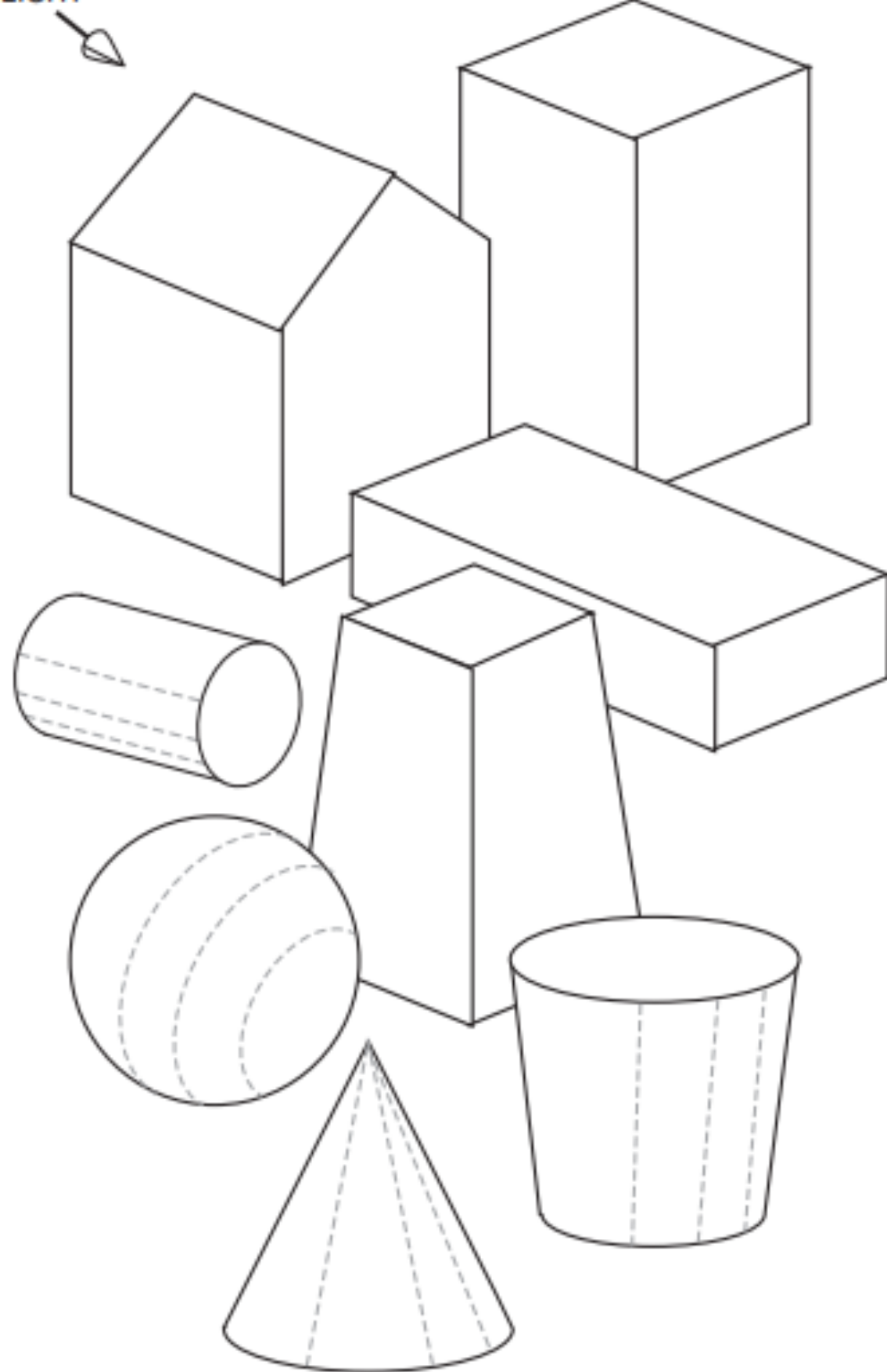
The darkness of shadows range from very light gray to black, and the darkness is called their value. The less light an area gets, the darker its shadow.

1. White
2. Light gray
3. Darker gray



Home work task 4: Tone and shading

LIGHT



Homework task 5 – Spelling test1



Task

Learn the following spellings for a test next week

1. Vacuum Former
2. Belt Sander
3. Creativity
4. Aesthetics
5. Design
6. High Impact Polystyrene
7. Tenon Saw
8. Glass Paper
9. Computer Aided Design
10. Laser Cutter

Home work task 6 –Thermoplastic research



Task

For our project, we use HIPS – High impact polystyrene to vacuum form over our wooden base. HIPS is a thermoplastic – sometimes known as a thermoforming plastic. Research all the different things made from Thermoplastic.

Home work task 7 – Spelling test 2



Task

Learn the following spellings for a test next week

1. Planning
2. Annotation
3. Sketch
4. Acrylic
5. Vectorise
6. Assemble
7. Line Bend
8. Computer Aided Manufacture
9. Engrave
10. Former

Home work task 8 – Health and safety



Task

In this project you have used a variety of different tools and equipment to make your final product. Explain how to safely use the following pieces of equipment below safely, and the consequences of not doing so.



Pillar drill



Vacuum former



Line bender

Home work task 9 –Production research



Task

When products go into production to be made, they can be made via three different methods. Mass, Batch and mass production. Research all three methods and explain how each one works. At the bottom of your page explain which method you would choose to produce your product and why.

One off production

Batch production

Mass production

I have chosen to produce my product via _____ production, because: