

***Who?:* S3 Art and Design**

***What?:* Form & Function in Design**

***Why?:* In Design, these two elements are the most important**

***When?:* All of June 2020**

***How?:* Investigating Hand-held Objects**

LI: We are going to try and understand how designers **BALANCE** the elements of **FORM** and **FUNCTION** when designing any new product

SC: We will be able to apply this knowledge to design our own new product, balancing **FORM** and **FUNCTION** in our solutions

FORM AND FUNCTION

As designers we are always concerned with making a product look good, (**FORM**)

If we don't also consider how the product works, (**FUNCTION**), then it will **FAIL!**

Products that look good but don't work are just Poor Sculptures!

Task 1:

Find 5 bottles around the house that do different jobs (FUNCTIONS), e.g. Milk Bottle/Sauce Bottle/Kitchen Spray Bottle etc.

Pick 1 Bottle and make a detailed LINE and TONE drawing of it on any piece of paper you can find, (Pencil/Pen or whatever you have is fine). ***Keep your drawing safe, we will need it later.***



Task 2: Examining all 5 bottles closely now, try to fill in the table below -

Job: What is the FUNCTION of the bottle?	Material: What is it made of? (may be more than one material)	Who: Normally, who would use this bottle the most?	Touch: Which parts of the bottle would you touch in normal use?	Moving Parts: Do any bits move to make something work? What are they? How do they move?
<i>Milk Bottle - to transport, store and pour out milk safely and easily</i>	<i>Glass/Aluminium (Lid)</i>	<i>Anyone over 5</i>	<i>Lid with fingertips and 'body' with grasped palm</i>	<i>Push the lid in slightly to open the bottle. Replace after each use</i>

You can fill this in electronically, using the document attached to this Assignment. **“-3 Bottle TableA.docx”**, save the doc and then attach it to send back to us. Alternatively, you can write it out by hand and take a photo to send back to us via Teams Assignment or email.

Here is **Why** we have done this today:

Designers need to know about all of these factors BEFORE they start designing, in this case a new *bottle*.

We use Design Terminology for each of these factors:

- Instead of “JOB” we say the **FUNCTION** of your bottle?
- Instead of “Who will be using your bottle?” we say **TARGET MARKET**
- Instead of “Which part(s) of the body will use the bottle?”, we say **ERGONOMICS**
- Asking about “moving parts and how you manipulate them?”, we also say **ERGONOMICS**
- Asking about “materials your bottle is made from?” we say **FIT FOR PURPOSE**



👉 Here is a hint about what kind of bottle we will be starting to design next lesson 👈