



S3 Design and Manufacture: Developing Ideas

In class we have completed a few exercises to practice our idea generation and sketching skills.

At N4 and N5 you will need to use this skill in class to complete your design assignment worth 30% of your overall grade.



Task: I have attached a few project images and sizes. Use the information from the working drawing to create an appropriate cutting list.

Task 1: All chairs have the same purpose; to let you sit comfortably.

An office chair however has a very different purpose to a wheelchair.

Draw 8 different ideas for a chair.

Each chair must either LOOK different (different AESTHETICS) or FUNCTION differently (FUNCTION)

Annotate them (make notes around them) to help me understand your ideas

[An example is shown on slide 5]



Task 2: All bags have the same purpose; to carry things. A handbag however has a very different purpose to a backpack.

Draw 5 bags which are each LOOK different (different AESTHETICS) or FUNCTION differently (FUNCTION)

Annotate them (make notes around them) to help me understand your ideas

[An example is shown on slide 5]

Task 1: Example.

Below is an example of 5 shoes that look or function differently.

Golf Shoes

Designed to look smart and be comfortable
Sole designed to give grip on grass and sand



UGG Boots

Designed to look good and keep feet warm and dry in colder weather. Wool inside chosen to keep feet warm.



Croc's

Designed to give grip (like the golf shoes) but are made for warmer weather. Designed out of rubber to make them easily cleaned and suitable for wearing in and out of the water. Strap at the back added to help them stay on users feet and the holes built in to let water or sand out.



Flippers

Designed from rubber (the same as the crocs) to make them suitable for wearing in the water. The long toe design is used to help people swim faster. Yellow and blue used to remind users of the sand and sea



Roller Skates

Designed to help kids play/skate. Bright colours used to attract the target market. Padded boot for comfort. Blue rubber section at the toe to help you stop. Straps across the foot and ankle to keep your foot in the boot securely

Task 3: Identify the primary and secondary functions of the products shown.

Remember: **PRIMARY** function is the main job a product is designed to do.
SECONDARY function is anything extra a product might do to improve it's appeal to the target market.



Product 1:
PRIMARY function: to provide shelter while waiting on the bus.
SECONDARY function: Provide seating
Provide information on bus times
Provide street lighting

Product 2: Kids garden slide
PRIMARY function:
SECONDARY function:



Product 3: Fridge/freezer
PRIMARY function:
SECONDARY function:

Task 3 continued: Identify the primary and secondary functions of the products shown.

Remember: **PRIMARY** function is the main job a product is designed to do.
SECONDARY function is anything extra a product might do to improve it's appeal to the target market.

Product 4: Pram
PRIMARY:
SECONDARY:



Product 5: Pick Up truck
PRIMARY function:
SECONDARY function:



Product 6: iWatch
PRIMARY function:
SECONDARY function:



Product 8: Trunkii
PRIMARY function:
SECONDARY function:



Product 7: Alexa Speaker
PRIMARY function:
SECONDARY function:

