

Year A

3&4

Designing

- I can explain what a target market is and give examples.
- I can sketch a range of design ideas.
- I can annotate my design ideas to explain some features and good/bad things.
- I can show some construction detail in my design ideas.
- I can draw simple shapes using CAD.

Making

- I can work safely in the workshop.
- I can join components to make a product.
- I can apply some finishing techniques to a material.
- I can work with a new material.
- I can make a product with accuracy.

5&6

Designing

- I can explain what a target market, give examples and say who I am aiming my product at.
- I can sketch a range of design ideas in 2D and 3D.
- I can annotate my design ideas to explain some features and good/bad things and say why I have done it.
- I can show some construction detail in my design ideas that explains how a product could be made.
- I can draw simple shapes using CAD with independence.

Making

- I can work safely in the workshop independently.
- I can join components to make a product with accuracy.
- I can apply finishing techniques effectively to a material.
- I can work with at least two different materials.
- I can make a product with accuracy with components that fit together.

Year B

3&4

Making

- I can use a needle and thread safely.
- I can produce cross stitched samples.
- I can stitch in straight lines by hand.
- I can stitch in curves by hand.
- I can use different coloured threads to produce a design.

Evaluating

- I can say what is good and bad about my product.
- I can improve my stitching by saying what errors I have made. o I can say how to change my technique to improve it.
- I can ask other people what they think of my product and reflect on their feedback.
- I can change my designs as I work out what works/what doesn't work.

5&6

Making

- I can use a needle and thread safely independently.
- I can produce neat hand stitching on fabric.
- I can cut and stitch straight lines by hand.
- I can cut and stitch curves by hand.
- I can combine different shapes to produce a design.

Evaluating

- I can say what is good and bad about my product.
- I can improve my stitching by saying what errors I have made.
- I can say how to change my technique to improve it.
- I can ask other people what they think of my product and reflect on their feedback.
- I can change my designs as I work out what works/what doesn't work

Year C

3&4

Designing

- I can use inspiration from nature to inspire my ideas.
- I can identify key features of my design ideas and annotate them to explain them.
- I can use colour effectively to enhance my design ideas.
- I can use sketch modelling to create simple 3D shapes.
- I can work well as a design team member to produce collaborative ideas.

Evaluating

- I can say what is good and bad about a product.
- I can clearly explain how I would improve my product if I were to make it again.
- I can discuss with my team how we have managed the design task and how we could work more effectively.
- I can evaluate existing products and say what is good and bad about them.
- I can use research into existing products to inspire and influence my designs.

Evaluating

- I can make changes to circuits to improve them.
- I can explain how I would improve my circuits and structures if I were to make it again.
- I can discuss with my team how we have managed the structures task and what could have been better.
- I can evaluate methods of strengthening structures to decide on the best method with some support.
- I can identify what I developed skills in and what I still need to develop.

Technical Knowledge

- I can make simple circuits with components such as bulbs, batteries and switches.
- I can state what components purpose is when used in circuits.
- I can use components in different ways to make series and parallel circuits.
- I can make simple mechanisms that use levers and linkages independently and state what they do.
- I can create simple mechanisms that use gears and state what they do.

5&6

Designing

- I can use inspiration from nature to inspire my ideas and show clear links to how they function.
- I can identify key features of my design ideas and annotate them to explain and justify them.
- I can use colour and shading effectively to enhance my design ideas.
- I can use sketch modelling to create 3D shapes.
- I can work well as a design team member to produce collaborative.

Evaluating

- I can say what is good and bad about a product.
- I can clearly explain how I would improve my product if I were to make it again.
- I can discuss with my team how we have managed the design task and how we could work more effectively.
- I can evaluate existing products and say what is good and bad about them to improve my own ideas.
- I can use research into existing products to inspire and influence my designs.

Evaluating

- I can make changes to circuits to make them work more effectively.
- I can clearly explain how I would improve my circuits and structures if I were to make it again.
- I can discuss with my team how we have managed the structures task and how we could improve it.
- I can evaluate methods of strengthening structures to decide on the best method.
- I can identify what I developed skills in and what I still need to develop to progress

Technical Knowledge

- I can make circuits with components such as bulbs, batteries, buzzers, resistors and switches.
- I can explain what components purpose is when used in circuits.
- I can use components in different ways to make complex series and parallel circuits.
- I can make mechanisms that use levers and linkages independently and explain what they do.
- I can create mechanisms that use gears and explain what they do.

Year D

3&4

Making

- I can identify the different sections of the eat well guide.
- I can cut and prepare fruit and vegetables safely.
- I can wash equipment safely and hygienically.
- I can follow safety rules in the kitchen.
- I can weight fruit and vegetables.
- I can identify which foods we have less of.
- I can identify hygiene and safety rules.
- I can identify aspects of food groups within the eat well guide.
- I can state a reason for each section of the eat well plate.
- I can explain how each section helps the body work

5&6

Making

- I can identify and explain the different sections of the eat well guide.
- I can cut and prepare fruit and vegetables safely independently.
- I can wash equipment safely and hygienically.
- I can follow safety rules in the kitchen independently.
- I can weight fruit and vegetables accurately.
- I can identify which foods we have less of and explain why.
- I can identify hygiene and safety rules.
- I can explain aspects of food groups within the eat well guide.
- I can explain a reason for each section of the eat well plate.
- I can explain why each section helps the body work