

# Design Technology Learning Journey



I can give considered thought to how to improve a product further and think about how it will be sold..



I can prepare and cook a savoury dish using tools safely and hygienically. I understand the seasonality of foods and know when and where some foods are reared/ farmed/ processed.

I can use a range of information and market research to inform my design.

I can test and evaluate my final product, saying whether it is fit for purpose and what I would change.

I can use tools and materials precisely.

I can make a product attractive and strong and use a range of joining techniques.

I can use exploded diagrams in my plan and explain this to someone else, using the computer to show some of my ideas.

I can work within constraints and follow and refine my plan if necessary



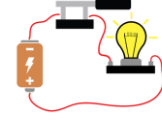
## YEAR 6

I can think about aesthetic and functional qualities of my work.

I can evaluate existing products against a set criteria.

I can create a circuit with a switch and use hydraulics and pneumatics.

I can produce a detailed step by step plan/ cross sectional plans, and suggest alternatives and good points/ drawbacks of my plan..



I can refer back to my design and adapt my ideas, testing and evaluating my product against the original criteria.

I can measure carefully and check.

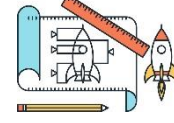
I can work at my product even though the original idea needs adaptation

I can use a range of tools and equipment safely.



I can improve the strength of my product.

I can describe what I need to do to be hygienic and safe.



I can produce prototypes to show my ideas.

I can explain why my finished product will be good quality and appeal to the audience, thinking about an aesthetically pleasing functional product.

I can explain how to join textiles in different ways.

I can think about making a product strong and devise a template.

## YEAR 5

I can come up with a range of ideas after I have done some research I can think about the user when creating a design.



I can make cuts and holes safely.

I can join textiles in different ways.

I can make a simple circuit using a variety of components.

I can explain how to be hygienic and safe.



I can come up with at least 1 idea about how to create my product taking account of others' ideas when designing I can produce a plan I can explain to others

I can practise evaluation skills by looking at existing products against a set criteria.

I can say how I would improve my design.

I can choose textiles because of their appearance and properties.

I can choose ingredients and say how these come together.

I can grow plants to use in my food.

## YEAR 4

I can use tools and equipment accurately and choose and use appropriate materials and join them

I can stop and think about how my design will end up.

I can say what I would change about my product and evaluate existing products.

I can create attractive products.



I can create a design with accurate labels and sketches and evaluate my design in terms of how it works and appearance, thinking about my audience.

I can be confident trying out new ideas and select and use tools and equipment safely.

I can plan what I need to do, showing what tools and equipment I will need.

I can show my design meets requirements

## YEAR 3

I can describe the importance for humans of, eating the right amounts of different types of food, and hygiene (SCIENCE)

I can add detail to create a 'finished product'.

I can say what went well and what I would do differently.

I can describe my design with a sketch and labels.



I know that food comes from plants and animals.

I can say some healthy foods.

I can use wheels, levers, sliders or axles.



I can design a product following a criteria, choosing tools and materials and saying why.



I can say why a material is suitable, depending on its characteristics.

I can design a simple product within a set of criteria.

I can say what is good/ not good about a product.

I can choose materials and say why they are being used.

I can think of ideas and plan using diagrams, mock ups and ICT.

I can say why my audience will like my product.

I can join materials in different ways and make a join stronger.



I can think of my own ideas and say what I want to do.

I can say what I am making.

I can make a 3D model.

## YEAR 1

I can plan my model with a picture and some labels.

I can choose tools to cut, shape and join.

I can say some foods.

I know I should wash my hands before making or eating food.

I can choose and use materials to make things.

## Reception

