Design and Technology curriculum progression map

Y6

Can I independently choose appropriate tools and materials from a range for a practical task based on their aesthetic properties?

Can I understand and use mechanical and electrical systems in my product?

Can I evaluate my ideas and products against my own design criteria whilst considering the views of others to improve my work?

Can I use research to design a product and show ideas using exploded diagrams?

Can I apply my understanding of how to strengthen, stiffen and reinforce more complex structures?

Can I independently choose appropriate tools and materials from a range for a practical task based on their function?

Y5

Can I understand and use mechanisms (gears, pulleys, levers and linkages) in my product?

Can I use research to design a product and show ideas using cross-sectional diagrams?

Can I evaluate my ideas and products against my own design criteria?

Can I independently choose appropriate tools and materials from a range for a practical task?

Can I prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques and applying the principles of a healthy and varied diet?

Can I understand and use electrical systems in my product?

Can I investigate, analyse and evaluate a range of relevant existing products against a given design criteria?

Can I use research to design a product, show ideas using labelled sketches of more than one design and discuss them?

Can I understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed?

Y4

Can I begin to understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed?

Can I begin to use research to design a product, show ideas using labelled sketches and discuss them?

Can I investigate and analyse a range of relevant existing products?

Y3

Can I begin to apply my understanding of how to strengthen, stiffen and reinforce more complex structures?

Can I begin to prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques and applying the principles of a healthy and varied diet?

Can I choose appropriate tools and materials from a range for a practical task?

Can I independently choose the correct tools and materials for a practical task?

Can I use the basic principles of a healthy and varied diet to prepare dishes?

Can I explore and use mechanisms (levers and sliders) in my product?

Can I evaluate my own ideas and products against a design criteria?

Can I draw designs for my ideas and select the best one to fit a given criteria?

Can I understand where food comes from?

Y2

Can I build structures, exploring how these can be made stronger, stiffer and more stable?

Can I choose the correct tools and materials for a practical task?

Y1

Can I explore and use mechanisms (wheels and axles) in my product?

Can I draw designs for my ideas and talk about these?

Can I evaluate a range of real-life products?

Can I select appropriate resources and adapt my work where necessary?

Can I construct with a purpose in mind, using a variety of resources? Can I draw and talk about my designs?

Can I talk about ways to keep healthy and the importance of physical exercise and a healthy diet?

R

Can I use simple tools and techniques competently and appropriately? Can I select tools and techniques needed to shape, assemble and join materials that I am using?

Can I talk about where food comes from ?

Can I show an interest in technological toys with knobs or pulleys? Can I construct pieces together to build and balance?

Can I make a healthy choice?

Can I talk about my designs?

Can I talk about what I have made?

N

Can I operate mechanical toys and begin to construct, stacking blocks vertically and horizontally?

Can I talk about food?

Can I use various construction materials and choose the correct tool for a purpose?

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