

St Edward's Curriculum DT Skills

- Cooking Skills
- Construction Skills
- Questioning Skills
- Design Skills
- Planning Skills
- Investigation Skills
- Problem Solving Skills
- Developing ideas
- Evaluation Skills

Year 1	
Talk about what he/she eats at home and begin to discuss what healthy foods are	Cooking Skills
Say where some food comes from and give examples of food that is grown.	Cooking Skills
Use simple tools with help to prepare food safely.	Cooking Skills
Create simple designs for a product.	Design Skills
Use pictures and words to describe what he/she wants to do.	Planning Skills
Select from and use a range of tools and equipment to perform practical tasks e.g. cutting, shaping, joining and finishing.	Construction Skills
Use a range of simple tools to cut, join and combine materials and components safely.	Construction Skills
Ask simple questions about existing products and those that he/she has made.	Questioning Skills
Build structures, exploring how they can be made stronger, stiffer and more stable.	Construction Skills
Use wheels and axles in a product.	Construction Skills

Year 2	
Understand the need for a variety of food in a diet.	Cooking Skills
Understand that all food has to be farmed, grown or caught.	Cooking Skills
Use a wider range of cookery techniques to prepare food safely.	Cooking Skills
Design purposeful, functional, appealing products for himself/herself and other users based on design criteria.	Design Skills
Generate, develop, model and communicate his/her ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology.	Developing Ideas
Choose appropriate tools, equipment, techniques and materials from a wide range.	Construction Skills
Safely measure, mark out, cut and shape materials and components using a range of tools	Construction Skills
Evaluate and assess existing products and those that he/she has made using a design criteria	Evaluation Skills
Investigate different techniques for stiffening a variety of materials and explore different methods of enabling structures to remain stable	Investigation Skills
Explore and use mechanisms e.g. levers, sliders, wheels and axles, in his/her products.	Construction Skills

Year 3	
Talk about the different food groups and name food from each group.	Cooking Skills
Understand that food has to be grown, farmed or caught in Europe and the wider world.	Cooking Skills
Use a wider variety of ingredients and techniques to prepare and combine ingredients safely.	Cooking Skills
Use knowledge of existing products to design his/her own functional product.	Design Skills
Create designs using annotated sketches, cross-sectional diagrams and simple computer programmes.	Construction Skills
Safely measure, mark out, cut, assemble and join with some accuracy.	Construction Skills
Make suitable choices from a wider range of tools and unfamiliar materials and plan out the main stages of using them.	Planning Skills
Investigate and analyse existing products and those he/she has made, considering a wide range of factors.	Investigation Skills
Strengthen frames using diagonal struts.	Construction Skills
Understand how mechanical systems such as levers and linkages or pneumatic systems create movement.	Construction Skills

Year 4	
Understand what makes a healthy and balanced diet, and that different foods and drinks provide different substances the body needs to be healthy and active.	Cooking skills
Understand seasonality and the advantages of eating seasonal and locally produced food.	Cooking skills
Read and follow recipes which involve several processes, skills and techniques.	Cooking skills
Use knowledge of existing products to design a functional and appealing product for a particular purpose and audience.	Design Skills
Create designs using exploded diagrams.	Construction Skills
Use techniques which require more accuracy to cut, shape, join and finish his/her work e.g. Cutting internal shapes, slots in frameworks.	Construction Skills
Use his/her knowledge of techniques and the functional and aesthetic qualities of a wide range of materials to plan how to use them.	Planning Skills
Consider how existing products and his/her own finished products might be improved and how well they meet the needs of the intended user.	Evaluation Skills
Apply techniques he/she has learnt to strengthen structures and explore his/her own ideas.	Construction Skills
Understand and use electrical systems in products.	Construction Skills

Year 5	
Understand the main food groups and the different nutrients that are important for health.	Cooking Skills
Understand how a variety of ingredients are grown, reared, caught and processed to make them safe and palatable / tasty to eat.	Cooking Skills
Select appropriate ingredients and use a wide range of techniques to combine them.	Cooking Skills
Use his/her research into existing products and his/her market research to inform the design of his/her own innovative product.	Research Skills
Create prototypes to show his/her ideas.	Construction Skills
Make careful and precise measurements so that joins, holes and openings are in exactly the right place.	Construction Skills
Produce step by step plans to guide his/her making, demonstrating that he/she can apply his/her knowledge of different materials, tools and techniques.	Planning Skills
Make detailed evaluations about existing products and his/her own considering the views of others to improve his/her work.	Evaluation Skills
Build more complex 3D structures and apply his/her knowledge of strengthening techniques to make them stronger or more stable.	Construction Skills
Understand how to use more complex mechanical and electrical systems.	Construction Skills

Year 6	
Confidently plan a series of healthy meals based on the principles of a healthy and varied diet.	Cooking Skills
Use information on food labels to inform choices.	Cooking Skills
Research, plan and prepare and cook a savoury dish, applying his/her knowledge of ingredients and his/her technical skills.	Cooking Skills
Use research he/she has done into famous designers and inventors to inform the design of his/her own innovative products.	Research Skills
Generate, develop, model and communicate his/her ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.	Planning Skills
Apply his/her knowledge of materials and techniques to refine and rework his/her product to improve its functional properties and aesthetic qualities.	Developing Ideas
Use technical knowledge accurate skills to problem solve during the making process.	Problem Solving Skills
Use his/her knowledge of famous designs to further explain the effectiveness of existing products and products he/she have made.	Developing Ideas
Use a wide range of methods to strengthen, stiffen and reinforce complex structures and can use them accurately and appropriately.	Construction Skills
Apply his/her understanding of computing to program, monitor and control his/her product.	Construction Skills

Year R	
Eats a healthy range of foodstuffs and understands need for variety in food	Cooking Skills
Shows some understanding that good practices with regard to exercise, eating, sleeping and hygiene can contribute to good health.	Cooking Skills
Children know the importance for good health of physical exercise, and a healthy diet, and talk about ways to keep healthy and safe.	Cooking Skills
Uses one-handed tools and equipment, e.g. makes snips in paper with child scissors	Construction Skills
Handles tools, objects, construction and malleable materials safely and with increasing control.	Construction Skills
Handle equipment and tools effectively, including pencils for writing.	Construction Skills
Understands that equipment and tools have to be used safely.	Construction Skills
Shows understanding of the need for safety when tackling new challenges, and considers and manages some risks.	Construction Skills
Shows understanding of how to transport and store equipment safely.	Construction Skills
Shows an interest in technological toys with knobs or pulleys, or real objects.	Investigation Skills
Shows skill in making toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new images.	Problem solving Skills
Uses various construction materials.	Construction Skills
Beginning to construct, stacking blocks vertically and horizontally, making enclosures and creating spaces	Construction Skills
Joins construction pieces together to build and balance.	Construction Skills
Realises tools can be used for a purpose.	Construction Skills
Constructs with a purpose in mind, using a variety of resources	Construction Skills
Uses simple tools and techniques competently and appropriately.	Construction Skills
Selects tools and techniques needed to shape, assemble and join materials they are using.	Planning Skills
Uses available resources to create props to support roleplay.	Design Skills
They represent their own ideas, thoughts and feelings through design and technology	Developing Ideas