



DT Concept Definitions

Concept	What does it mean and why do we learn it?
Textiles	The word textile commonly means woven or knitted cloth. Lace, felt, and many other kinds of cloth are considered textiles, too. Even nets, rope, and yarn may be called textiles. People use textiles to make clothing, towels, sheets, table linens, carpets, boat sails, flags, and many other things. The children will explore a range of textiles and their potential uses depending on their features.
Mechanics	A mechanism modifies input forces and movement into a set of output forces and movement that the user desires. It is simply a system or structure of moving parts that perform some function.
Materials	A material is any substance that has a name, for example, chalk, paper, wood, iron, air, water, clay, plastic. Everything is made up of materials. When we want to make something, we need to pick the most suitable material for the job.
Structures	A structure can be defined as the arrangement of parts. Structures may refer to buildings, machines and other man-made items as well as the structure of say a rock or mineral. Children at St. Peters will explore structures and learn how to make them stronger and more effective.
Food technology	Food technology allows for cross-curricular development of a range of skills including planning, designing, evaluating, preparing and creating. Being able to learn about nutrition helps children to develop key life skills including food safety skills and other skills such as measuring using different units of measure.
Electronics	Referring to the branch of technology which sits within the branch of physics in science. Including using circuits and electrical parts. These components control the electricity. Electronics are taught from year 4 up as this is when the concept is first explored in science lessons.
Key areas covered in every topic	
Inspiration	Children will view a range of current products. From these they will draw influence and try to stimulate ideas from them.
Design	A plan or drawing produced to show the look and function or workings of a building, garment, or other object before it is made. The pupils at St Peter's will explore the concept of design in every topic, whether this be a drawing, an explanation of features, a recipe or a mini model.
Make	This is where children apply their knowledge, skills and understanding, to try and make a product. This could be a first product, or after some evaluating, a final product.
Evaluate	To evaluate is the act or the result of evaluating a situation that requires careful consideration to determine the value, nature, character, or quality of something.