Ellison Key Design & Technology Concepts

At Ellison Primary Academy the children learn through a concept-based curriculum allowing them to learn beyond solely the topic facts. Concepts or 'big ideas' allow children to make connections between their learning and in turn gain a deeper understanding allowing them to make sense of the facts and the world around them. As part of our conceptual curriculum we involve the use of specific key questions which focus upon factual, conceptual and debatable content. Concepts are returned to throughout the Year Groups to ensure children have a clear understanding of them and enabling them to be held within their long-term memory.

Please find below are a list of concepts that the children at Ellison Primary Academy focus upon in Design & Technology and our reasoning behind their choice.

Concept	Why learn about this concept?	Year group studied (though may be referred to within other year groups).
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 Ellison Primary Academy will explore the concept of deign	All year groups
Nutrition	The nourishment or energy that is obtained from food consumed or the process of consuming the proper amount of nourishment and energy. An example of nutrition is the nutrients found in fruits and vegetables. An examples of nutrition is eating a healthy diet.	Year 1, Year 3 and Year 6
Technology	Technology is science or knowledge put into practical use to solve problems or invent useful tools.	EYFS, Year 1, Year 2, Year 3, Year 4 and Year 6.
Data	Data is 'known facts'. It especially refers to numbers, but can also mean words, sounds and images also. Originally, data is the plural of the Latin word datum which means 'give'.	All year groups
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.	All year groups
Functionality	The quality or state of being functional. A design that is admired both for its beauty and for its functionality; the set of functions or capabilities associated with something.	All year groups
Innovation	The process of making something new or doing something in a new way. Innovation also has to include the concept of improvement; to innovate is not just to do something differently, but to do or make something better.	All year groups