

Subject: DT

Concept	Why learn about this concept?	Year group studied
<b>DT Key Concepts</b>		
Designing	<p>When designing, children need to understand the context they are working in, think about who their products will be for and decide what tasks they will perform. They need opportunities to generate, develop, model and communicate ideas in a variety of ways, including spoken language, drawings, templates, mock-ups, prototypes and pattern pieces.</p> <p>Design is a Harrietsham key concept because we believe that it is important for children to plan their ideas and develop their drawing skills through this process.</p>	Year R Year 1 Year 2 Year 3 Year 4 Year 5 Year 6
Making	<p>When making, children should select from a range of tools and equipment, explaining their choices. They also need opportunities to choose the materials and components they will use, thinking about their working characteristics. They should follow procedures for safety and hygiene and develop a repertoire of practical skills and techniques, working with increasing accuracy.</p> <p>Making is a Harrietsham key concept because we believe that children should have the opportunity to develop new skills by using a range of resources to develop their creations. These skills will have real life application and will continue to develop over their time at Harrietsham. By developing these skills children will be able to decide which materials and resources they think would best suit their projects.</p>	Year R Year 1 Year 2 Year 3 Year 4 Year 5 Year 6
Evaluating	<p>When evaluating, children should make increasingly sophisticated judgements about their own ideas and products against design criteria. They should consider the views of others in order to improve their work. They should also investigate and evaluate existing products using a variety of questioning techniques and, in KS2, learn about important inventors and their inventions.</p> <p>Evaluation is a Repton key concept because we believe evaluating allows children to determine the effectiveness of their designs and creations to better understand how they can improve their work.</p>	Year R Year 1 Year 2 Year 3 Year 4 Year 5 Year 6
Technical knowledge	<p>Technical knowledge is the body of knowledge and understanding that is specific to design and technology that needs to be developed and then applied when children are designing, making and evaluating products.</p> <p>Technical knowledge is a Harrietsham key concept because we believe that in a world of growing technology children will need to leave the school with the knowledge of how to use technology to help them to solve problems that they have been presented with. They will also be able to use technology to help them to invent useful tools for a specific need.</p>	Year R Year 1 Year 2 Year 3 Year 4 Year 5 Year 6
Cooking and nutrition	<p>Cooking and nutrition provides opportunities for children to learn about where food comes from, how food is grown, reared or caught and the effect of seasonality on the availability of food. They also learn about the principles of healthy eating and how to prepare and cook dishes safely and hygienically using a range of techniques.</p>	Year R Year 1 Year 2 Year 3 Year 4

	<p>Cooking and nutrition is taught alongside designing and making within a D&amp;T food project.</p> <p>Cooking and nutrition is a Harrietsham key concept because we believe that having the basic practical know how in the kitchen is a life long skill and one that will get our children ready for the future.</p>	<p>Year 5</p> <p>Year 6</p>
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