



Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Design					
<p><u>What does design mean?</u></p> <p><u>Can you design something appealing for yourself?</u></p> <p><u>Can you use different materials to design a product?</u></p>	<p><u>Can you design something appealing for yourself based on design criteria?</u></p> <p><u>Can you work with a partner to share your product and talk about ideas?</u></p> <p><u>Can you use ICT to design your product?</u></p>	<p><u>Can you use research to inform your design criteria?</u></p> <p><u>Can you design a product based on your own design criteria (from research completed)?</u></p> <p><u>Can you design your product by sketching and annotating diagrams?</u></p> <p><u>How will the use of ICT help to plan your design? What will you use it to show?</u></p>	<p><u>Can you use research to inform your own design criteria of a product fit for a purpose?</u></p> <p><u>What can you design that will be effective and based on your own design criteria?</u></p> <p><u>Can you develop your ideas by having a discussion with your partner?</u></p> <p><u>Use computer-aided design to show your planned product. What will you be showing?</u></p>	<p><u>Can you use research to inform the design of functional, appealing products that are fit for purpose and aimed at particular people or groups?</u></p> <p><u>Can you develop your ideas through discussion?</u></p> <p><u>Can you model your ideas through making a prototype?</u></p> <p><u>Can you create cross-sectional and exploded diagrams of your product when planning?</u></p> <p><u>Can you create pattern pieces and diagrams using computer-aided design?</u></p>	<p><u>Can you use research to inform the design of innovative, functional, appealing products that are fit for purpose?</u></p> <p><u>Can you develop your design criteria to inform the design of your product with a clear audience and purpose?</u></p> <p><u>Can you think about the discussion points surrounding your product and how you will communicate them to your peers?</u></p> <p><u>Can you develop and model ideas through making prototypes, cross-sectional and exploded diagrams and computer aided design?</u></p> <p><u>Can you develop your ideas further?</u></p>
Make					
<p><u>Can you use a range of tools and equipment creatively?</u></p> <p><u>Can you use clay to create a product?</u></p> <p><u>Can you create a given shape using different materials?</u></p>	<p><u>Can you select from and use a range of tools and equipment to create your product?</u></p> <p><u>Can you select from and use a wide range of materials and components to create your product?</u></p>	<p><u>Can you select from and use a range of tools and equipment to create your product accurately?</u></p> <p><u>Can you select from and use a wider range of materials and components to create your product? Make sure you think about the functions of the materials and how they will work for your product.</u></p>	<p><u>Can you select from and use with increasing confidence tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately?</u></p> <p><u>Can you improve your ability to select relevant materials for craft and sculpting projects?</u></p> <p><u>Can you select from and use a wider range of materials and components to create your product, according to their functional properties?</u></p>	<p><u>Can you select from and use with increasing confidence a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately?</u></p> <p><u>Can you improve your mastery of art and design techniques, including drawing and painting with a variety of materials?</u></p> <p><u>Can you select from and use with increased confidence a wider range of textile materials and components, according to their functional properties and aesthetic qualities - wood and plastic?</u></p> <p><u>Can you experiment with a range of techniques and textures?</u></p>	<p><u>Can you select from and use with accuracy a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately?</u></p> <p><u>Can you improve your mastery of techniques using varied materials?</u></p> <p><u>Can you select from and use with accuracy a wider range of materials and components, according to their functional properties and aesthetic properties?</u></p> <p><u>Can you use and experiment with a range mastery of techniques to create a purposeful product?</u></p>
Evaluate					
<p><u>Can you tell me what you like/dislike about your product?</u></p> <p><u>Can you think of something you might change or improve if you were to make it again?</u></p>	<p><u>Can you explore and evaluate a range of products?</u></p> <p><u>Can you explore and evaluate your product?</u></p> <p><u>Can you evaluate your ideas and products against design criteria?</u></p> <p><u>Can you express your opinion about a design product or idea?</u></p>	<p><u>Can you explore, analyse and evaluate a range of products?</u></p> <p><u>Can you evaluate your product against your own design criteria?</u></p> <p><u>Can you share opinions on other people's work and listen to those about your product?</u></p> <p><u>How could you modify this product in the future and why?</u></p>	<p><u>Can you investigate and analyse a range of existing products?</u></p> <p><u>Can you use your sketch book to record observations and use them to review your product against your own design criteria?</u></p> <p><u>Can you express a personal opinion on a product (own and others). Explaining what you see and how it makes you feel?</u></p> <p><u>Can you begin to evaluate the work of others? (Linking to techniques studied)</u></p> <p><u>How can you use the views of others to improve your work?</u></p>	<p><u>Can you investigate and analyse the suitability of a range of existing products?</u></p> <p><u>Can you create and record observations using drawings, diaries and computer-aided design to review your product against your own design criteria?</u></p> <p><u>Can you begin to critically evaluate a piece of artwork (own and others) adding a personal opinion?</u></p> <p><u>Can you critique your own product?</u></p> <p><u>Consider the views of others. How can this help improve your work?</u></p>	<p><u>Can you investigate and analyse a range of existing products? Do your findings question the suitability of a product?</u></p> <p><u>Can you develop and record observations through different (mediums) ways to review your product against your own design criteria?</u></p> <p><u>Can you critically evaluate a piece of artwork (own and others) and add in your personal opinion and why?</u></p> <p><u>Can you critique your own product?</u></p> <p><u>Do you understand how key events and individuals in design and technology have helped shape the world? Give me an example.</u></p>
Technical Knowledge					
<p><u>Can you name the tools and materials you are using?</u></p> <p><u>Can you build your product?</u></p> <p><u>Can you explore how it could be made stronger, stiffer and more stable?</u></p>	<p><u>Explore your product. How could it be made stronger/stiffer/more stable etc? Try this out!</u></p> <p><u>Can you use mechanisms (levers/sliders/wheels and axles) to create a product?</u></p> <p><u>Explain a time you have used a mechanism. What happened?</u></p>	<p><u>Think of a time when you have used mechanisms (eg, gears/pulleys/cams/wheels). What happened? Why did you use them to create your product? What did you find out?</u></p> <p><u>What do you need to use to make a bulb work in a circuit?</u></p>	<p><u>Why do some products need mechanisms to work? Can you give me an example of a product that requires a mechanism?</u></p> <p><u>When could you use an electrical system in a product (e.g. series circuits – switches, bulbs)? Do you understand how they work? Can you use one in your product?</u></p>	<p><u>Do you understand why mechanical systems are used in products?</u></p> <p><u>Do you understand why electrical systems are used in products?</u></p> <p><u>How can you modify your product by adding a mechanical/electric system? What would you add? Why?</u></p>	<p><u>Do you understand why mechanical systems are used in products? Explain.</u></p> <p><u>Do you understand why electrical systems are used in products? Explain.</u></p> <p><u>How can you apply your understanding of using mechanical and electric systems for your product?</u></p> <p><u>Can you use computing to program, monitor and control your products?</u></p>

Cooking and Nutrition

<p><u>Can you use the materials/ingredients you are using when cooking sensibly?</u></p> <p><u>Can you name some healthy foods? Could we use some of these to make our own healthy dish?</u></p> <p><u>Do you know where food comes from?</u></p>	<p><u>Do you know what a healthy and varied diet is?</u></p> <p><u>Could you prepare a healthy dish from a set of ingredients?</u></p> <p><u>Do you understand where food comes from?</u></p>	<p><u>Do you understand why we have a healthy and varied diet?</u></p> <p><u>Could you prepare and cook a healthy meal?</u></p> <p><u>Do you understand how the seasons can impact the way in which food is grown?</u></p>	<p><u>Describe a healthy and varied diet. Why is this important?</u></p> <p><u>Can you prepare and cook a healthy meal using a range of cooking techniques?</u></p> <p><u>Do you understand how the seasons can impact the way in which ingredients are grown and processed around the world?</u></p>	<p><u>What does a healthy and varied diet look like? Could you apply this to your diet?</u></p> <p><u>Can you prepare and cook a variety of healthy meals using a range of cooking techniques.</u></p> <p><u>How does seasonality impact the different types of food grown and what is available at different times of year?</u></p>	<p><u>Do you understand the principles of a healthy and varied diet? How could you apply this to your daily diet?</u></p> <p><u>Can you prepare and cook a variety of savoury dishes using a range of cooking techniques?</u></p> <p><u>How does seasonality impact the different types of food grown, reared, caught and processed? Which season do you think would be the best and why?</u></p> <p><u>Come Dine With Me Idea!</u></p>
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