

Design process	Key Stage one	Lower Key Stage two	Upper Key Stage two
Developing Knowledge	<p>Designers have knowledge linked to the products they are making</p> <p>Designers explore existing products</p> <p>Designers disassemble existing products and can identify that there are different components</p> <p>Designers evaluate and analyse existing products</p>	<p>Designers have knowledge linked to the products they are making</p> <p>Designers explore products, systems and the work of others.</p> <p>Designers disassemble existing products and identify and name the different components</p> <p>Designers evaluate and analyse existing products</p>	<p>Designers have specific knowledge linked to the products they are making</p> <p>Designers explore products, systems and the work of others.</p> <p>Designers disassemble existing products and identify the purpose of different components</p> <p>Designers evaluate and analyse existing products and can identify what makes the product successful</p>
Designing	<p>Designers use simple design criteria to help develop their ideas</p> <p>Designers say whether their products are for themselves or other users and how they are suitable</p> <p>Designers generate ideas by drawing on their own experiences</p> <p>Designers develop and communicate ideas by talking and drawing</p> <p>Designers model ideas by exploring materials</p> <p>Designers state what products they are designing and making and what they are for</p>	<p>Designers develop their own design criteria and use these to inform their ideas</p> <p>Designers indicate the design features of their products that will appeal to intended users</p> <p>Designers gather information about the needs and wants of particular individuals and groups and use this to generate ideas</p> <p>Designers share and clarify ideas through discussion</p> <p>Designers use annotated sketches</p> <p>Designers describe the purpose of their products with reference to the original design criteria</p>	<p>Designers develop a simple design specification to guide their thinking</p> <p>Designers identify the needs, wants, preferences and values of particular individuals and groups</p> <p>Designers carry out research, using surveys, interviews, questionnaires and web-based resources and use this to generate ideas</p> <p>Designers share and clarify ideas through discussion</p> <p>Designers use cross-sectional drawings and exploded diagrams to develop and communicate their ideas</p> <p>Designers describe and explain how particular parts of their products will work and how it meets the design specification</p>
Planning	<p>Designers plan by suggesting what to do next</p> <p>Designers select from a range of tools and equipment, explaining their choices</p> <p>Designers select from a range of materials and components according to their characteristics</p>	<p>Designers model their ideas using prototypes</p> <p>Designers order the main stages of making</p> <p>Designers select materials, components, tools and equipment suitable for the task and explain this</p>	<p>Designers model their ideas using prototypes</p> <p>Designers formulate step-by-step plans as a guide to making</p> <p>Designers explain their choice of materials and components according to functional properties and aesthetic qualities.</p> <p>Designers explain their choice of tools and equipment in relation to the skills and techniques they will be using.</p>

Making	<p>Designers follow procedures for safety and hygiene</p> <p>Designers measure, mark out, cut and shape materials and components</p> <p>Designers assemble, join and combine materials and components</p>	<p>Designers follow procedures for safety and hygiene</p> <p>Designers measure, mark out, cut and shape materials and components with some accuracy</p> <p>Designers assemble, join and combine materials and components with some accuracy</p>	<p>Designers identify and then follow procedures for safety and hygiene</p> <p>Designers accurately measure, mark out, cut and shape materials and components</p> <p>Designers accurately assemble, join and combine materials and components</p>
Evaluating	<p>Designers talk about their design ideas and what they are making</p> <p>Designers suggest how their products could be improved</p> <p>Designers make simple judgements about their products and ideas against design criteria</p>	<p>Designers identify the strengths and areas for development in their ideas and products</p> <p>Designers use their design criteria to evaluate their completed products</p>	<p>Designers critically evaluate the quality of the design, manufacture and fitness for purpose of their products as they design and make</p> <p>Designers use their design specification to evaluate their completed product</p>