

# Design and Technology (Graphics): KS3 Assessment Criteria

	Design	Make	Evaluate	Technical Knowledge
<b>Exceptional</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I research and explore relevant information based on the user's needs.</li> <li><input type="checkbox"/> I know how to use social, moral and cultural information to understand my user more clearly.</li> <li><input type="checkbox"/> I can independently identify design problems and solve them creatively.</li> <li><input type="checkbox"/> My designs are innovative and functional.</li> <li><input type="checkbox"/> I create appealing products that respond to the user's wants and needs.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I can select specialist tools for practical work and justify my choices.</li> <li><input type="checkbox"/> I justify the materials and processes that I choose for making my product.</li> <li><input type="checkbox"/> I can use CAM in my work.</li> <li><input type="checkbox"/> I am accurate and precise when I work.</li> <li><input type="checkbox"/> I demonstrate excellent working knowledge of Health and Safety at all times.</li> <li><input type="checkbox"/> I can demonstrate to others.</li> <li><input type="checkbox"/> I work independently and with confidence.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I compare and contrast existing products by analysing them.</li> <li><input type="checkbox"/> I can explain how information I have found influences my own designs.</li> <li><input type="checkbox"/> I understand the use of smart materials and their applications in relation to my work.</li> <li><input type="checkbox"/> I can test, evaluate and refine my ideas.</li> <li><input type="checkbox"/> I show consideration for others' views.</li> <li><input type="checkbox"/> I can evaluate the impact of my product on individuals, society and the environment.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I understand and use the properties of materials to achieve functioning solutions.</li> <li><input type="checkbox"/> I consider the structural performance of materials used in my final product.</li> </ul>
<b>Extending</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I consider a wide variety of important factors in my designs and show this in my work.</li> <li><input type="checkbox"/> I understand social, moral and cultural issues that link to the user's needs.</li> <li><input type="checkbox"/> I can solve design problems creatively.</li> <li><input type="checkbox"/> I am able to justify my opinions and the decisions I make about my work.</li> <li><input type="checkbox"/> I can explore and experiment with media.</li> <li><input type="checkbox"/> I can modify my designs to improve them.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I can explore alternative ways of working.</li> <li><input type="checkbox"/> I consistently select appropriate tools and materials with confidence.</li> <li><input type="checkbox"/> I can use my knowledge and skills to support others in their practical work.</li> <li><input type="checkbox"/> I can explain the best techniques and processes to use when making.</li> <li><input type="checkbox"/> I work safely and with precision at all times.</li> <li><input type="checkbox"/> I can help others in their practical work.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I analyse existing products and others' work and use this to inform and develop my own original ideas.</li> <li><input type="checkbox"/> I can show connections between my work and the work of others.</li> <li><input type="checkbox"/> I can test and evaluate my final product and suggest improvements as a result.</li> <li><input type="checkbox"/> I understand the impact of my product on the environment and the user.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I understand and use the properties of materials to achieve functioning solutions.</li> <li><input type="checkbox"/> I know the advantages and disadvantages of using CAD/CAM and show this in my work.</li> </ul>
<b>Secure</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I use research to demonstrate knowledge and inform my designs.</li> <li><input type="checkbox"/> I can experiment with a variety of different methods to develop and refine my ideas.</li> <li><input type="checkbox"/> I use colour effectively.</li> <li><input type="checkbox"/> I can present my ideas using a variety of techniques, 2D and 3D.</li> <li><input type="checkbox"/> I can explain my ideas clearly and in detail.</li> <li><input type="checkbox"/> I have detailed planning for my final design.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I can select the correct tools in my practical work and explain their function.</li> <li><input type="checkbox"/> I make good choices when I select materials.</li> <li><input type="checkbox"/> I can use a range of modelling techniques.</li> <li><input type="checkbox"/> I work accurately.</li> <li><input type="checkbox"/> I work very safely.</li> <li><input type="checkbox"/> I rarely need help.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I look at existing products that are relevant to my work and adapt ideas for use in my own designs.</li> <li><input type="checkbox"/> I can develop my ideas based on the work of others.</li> <li><input type="checkbox"/> I can test and evaluate my final product against my specification.</li> <li><input type="checkbox"/> I understand how my product can impact the user in different ways.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I understand the properties of the materials I use and can demonstrate how they might benefit and disadvantage my product.</li> <li><input type="checkbox"/> I understand the benefits of using CAD/CAM.</li> </ul>
<b>Developing</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I can use the design brief as a starting point for my research and I show this in my work.</li> <li><input type="checkbox"/> I can identify user's needs.</li> <li><input type="checkbox"/> I can come up with a few different ideas and develop them so they are improved.</li> <li><input type="checkbox"/> I can annotate my work in detail.</li> <li><input type="checkbox"/> I have a plan to make my final design.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I can name most of the tools, techniques and processes I use in my practical work.</li> <li><input type="checkbox"/> I can name most of the materials I use.</li> <li><input type="checkbox"/> My work is mostly accurate.</li> <li><input type="checkbox"/> I work safely.</li> <li><input type="checkbox"/> I sometimes need help.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I look at similar existing products and include the same features in my own designs.</li> <li><input type="checkbox"/> I look at the work of different artists and designers to give me ideas for my own work.</li> <li><input type="checkbox"/> I know about some smart materials and how they can help my product and the user.</li> <li><input type="checkbox"/> I can identify positive and negative points in my work and suggest improvements.</li> <li><input type="checkbox"/> I understand my responsibility as a designer.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I understand the characteristics of most of the materials I use and show this in my work.</li> <li><input type="checkbox"/> I understand what CAD and CAM means, and the difference between them.</li> </ul>
<b>Emerging</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I understand the design brief.</li> <li><input type="checkbox"/> I understand the user's needs.</li> <li><input type="checkbox"/> I understand what a design specification is.</li> <li><input type="checkbox"/> I produce basic drawings to show my ideas.</li> <li><input type="checkbox"/> I can label my drawings.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I can name some of the tools, techniques and processes I use in my practical work.</li> <li><input type="checkbox"/> I can name some materials.</li> <li><input type="checkbox"/> I can make a basic product.</li> <li><input type="checkbox"/> I can work safely, but often need help.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I can look at the work of others and find pictures to research.</li> <li><input type="checkbox"/> I can identify good points about my work.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I understand that materials have different characteristics.</li> <li><input type="checkbox"/> I understand what CAD means.</li> </ul>

