

# Grade Descriptors for Design Technology

## Years 7 -11

Grades 8 - 9	
<b>Design Skills (30%)</b>	<ol style="list-style-type: none"> <li>1. I can generate detailed designs/sketches/recipes/drawings/prototypes with suggestions of how to adapt the product for different users</li> <li>2. I can use research to suggest improvements to influence my design ideas</li> <li>3. I can share ideas with others and give constructive feedback and suggest achievable improvements</li> </ol>
<b>Practical Making (30%)</b>	<ol style="list-style-type: none"> <li>1. I can select and use a range of tools and equipment independently.</li> <li>2. I can work accurately and with independence</li> <li>3. I can pay attention to the quality of my final product and explain how I made it.</li> <li>4. I can produce a well-design product and replica it in a prototype</li> </ol>
<b>Evaluating (15%)</b>	<ol style="list-style-type: none"> <li>1. I can compare design ideas/final products against a detailed design brief criteria/specification</li> <li>2. I can suggest improvements for design ideas and explain how they will help</li> <li>3. I can gain technical information from examining, describing and evaluating similar products and compare them to my own work</li> </ol>
<b>Technical Knowledge (25%)</b>	<ol style="list-style-type: none"> <li>1. I can use ICT software to enhance the quality and accuracy of work independently</li> <li>2. I can identify, explain and explore appropriate ingredients and techniques and say how they will enhance my work.</li> </ol>

## Grades 6-7

<b>Design Skills (30%)</b>	<ol style="list-style-type: none"> <li>1. I can generate a wide range of well explained and justified ideas</li> <li>2. I can write a specification and explain choices made</li> <li>3. I can explain decisions regarding the choice of materials and manufacturing processes</li> </ol>
<b>Practical Making (30%)</b>	<ol style="list-style-type: none"> <li>1. I can carry out all tasks accurately and with precision work independently and find solutions to design &amp; practical problems</li> <li>2. I can carry out a range of specialist techniques independently</li> </ol>
<b>Evaluating (15%)</b>	<ol style="list-style-type: none"> <li>1. I can suggest alternative materials, components or ingredients</li> <li>2. I can carry out investigations /tests /experiments to evaluate final product</li> </ol>
<b>Technical Knowledge (25%)</b>	<ol style="list-style-type: none"> <li>1. I have a broad knowledge of different materials, components, ingredients and processes</li> <li>2. I can independently explore subject specific tasks (extra-curricular/home projects)</li> </ol>

## Grade 5

<b>Design Skills (30%)</b>	<ol style="list-style-type: none"> <li>1. I can explore different materials, components or ingredients and use technical information to decide if they are suitable for the final product</li> <li>2. I can model ideas by cooking, 3d models or using ICT design software</li> </ol>
<b>Practical Making (30%)</b>	<ol style="list-style-type: none"> <li>1. I can work from my own detailed plans</li> <li>2. I can use a range of tools and equipment with precision</li> <li>3. I can carry out a range of specialist techniques (with support)</li> <li>4. I can produce a high quality, well considered final product</li> </ol>
<b>Evaluating (15%)</b>	<ol style="list-style-type: none"> <li>1. I can explain why materials, ingredients or components have been used</li> <li>2. I can identify and justify any changes from the final design idea to the final product</li> </ol>
<b>Technical Knowledge (25%)</b>	<ol style="list-style-type: none"> <li>1. I can understand the characteristics of different materials, components, ingredients and processes</li> <li>2. I can understand a range of advanced/specialist techniques</li> </ol>

## Grades 3-4

<b>Design Skills (30%)</b>	<ol style="list-style-type: none"> <li>1. I can generate detailed design sketches/recipes/drawings/ prototypes</li> <li>2. I can use research to influence design ideas</li> <li>3. I can share ideas with other students and give the constructive feedback</li> </ol>
<b>Practical Making (30%)</b>	<ol style="list-style-type: none"> <li>1. I can select &amp; use a range of tools and equipment</li> <li>2. I can work accurately</li> <li>3. I can pay attention to the quality of final product</li> <li>4. I can produce a well-designed product.</li> </ol>
<b>Evaluating (15%)</b>	<ol style="list-style-type: none"> <li>1. I can compare design ideas/final product against the design brief criteria</li> <li>2. I can suggest improvements for design ideas/product</li> <li>3. I can gain technical information from examining, describing and evaluating similar products</li> </ol>
<b>Technical Knowledge (25%)</b>	<ol style="list-style-type: none"> <li>1. I can use ICT software to enhance the quality of work</li> <li>2. I can identify, explain &amp; explore appropriate ingredients, equipment, materials, components and techniques</li> </ol>

## Grades 1-2

<b>Design Skills (30%)</b>	<ol style="list-style-type: none"> <li>1. I can generate creative design ideas</li> <li>2. I can make links from research</li> <li>3. I can cook or create samples of the idea</li> </ol>
<b>Practical Making (30%)</b>	<ol style="list-style-type: none"> <li>1. I can manage short tasks independently (without help from the teacher)</li> <li>2. I can produce a good quality finished product</li> </ol>
<b>Evaluating (15%)</b>	<ol style="list-style-type: none"> <li>1. I can identify what worked well and what could be improved</li> <li>2. I can evaluate research</li> </ol>
<b>Technical Knowledge (25%)</b>	<ol style="list-style-type: none"> <li>1. I can identify and describe appropriate ingredients, equipment, materials, components and techniques</li> <li>2. I can recognise that products/designs have to meet a range of different needs</li> </ol>

## Foundation Grade

<b>Design Skills (30%)</b>	1. I can generate basic models / pictures to communicate ideas
<b>Practical Making (30%)</b>	1. With help I can use equipment, tools and materials 2. I can try to assemble a product
<b>Evaluating (15%)</b>	1. I can make basic judgments on the final product/outcome 2. I can Make basic suggestions for improvement
<b>Technical Knowledge (25%)</b>	1. I can identify a few basic pieces of equipment & materials