

## Developing Ideas

<p>Develops detailed design specifications, which explain the success criteria for the design of a solution based on the analysis of the research</p> <p><i>(Develop - To improve incrementally, elaborate or expand in detail. Evolve to a more advanced or effective state)</i></p> <p><b>Develops a range of</b> feasible design ideas, using an appropriate medium(s) <b>and detailed</b> annotation</p> <p>A range is more than 3. To reach a level 7, you should have at least 5.</p> <p>You may want to add your drawing as extra pages to this template because the space provided is not enough.</p> <p>You might include:</p> <ul style="list-style-type: none"> <li>• The exact size and shape of individual components</li> <li>• The required and/or available materials</li> <li>• How the components fit together to create the whole</li> <li>• The required and/or available tools and equipment</li> <li>• Aesthetics (colour, texture, shape, form, line, balance, finish)</li> <li>• How the user will interact with the solution</li> <li>• Aspects relating to safety and accessibility.</li> <li>• Font types used</li> <li>• Length of the movie</li> <li>• Types of music</li> <li>• Components that make up its elements</li> <li>• Links to it</li> <li>• Social interactivity</li> <li>• Durability</li> </ul>	Overall design idea 1	
	Every aspect of a specification must be: Specific & Realistic specification 1	How will you test this Specification?
	Specific & Realistic specification 2	How will you test this Specification?
	Specific & Realistic specification 3	How will you test this Specification?
	Specific & Realistic specification 4	How will you test this Specification?
	Specific & Realistic specification 5	How will you test this Specification?
	Specific & Realistic specification 6	How will you test this Specification?
	Specific & Realistic specification 7	How will you test this Specification?
	Specific & Realistic specification 8	How will you test this Specification?

Can be **correctly** interpreted by others.  
*(Have a classmate look at this design)*

What questions did your classmates have about the design?

What changes did they recommend to you?

Drawing of design 1 (Make sure to label everything)  
If you are doing a movie, you need to create a storyboard

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Drawing of design 4 (Make sure to label everything)  
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Can be **correctly** interpreted by others.  
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What questions did your classmates have about the design?

What changes did they recommend to you?

Drawing of design 5 (Make sure to label everything)  
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**Presents** the chosen design and **justifies fully and critically** its selection **with detailed reference to the design specification**  
*(Justify - Give valid reasons or evidence to support an answer or conclusion.)*

Which design was chosen?

Why did you choose this design?

Explain how will this design solve the problem.

What questions may the designer ask to be able to design the product?

What other things might enhance the effectiveness of the product?

Which design specifications were met? *(Put an X in the box below)*

Spec 1	Spec 2	Spec 3	Spec 4	Spec 5	Spec 6	Spec 7	Spec 8

The above design specifications could not be met because:

Changes that I made to the design include:

Feasibility	<p>Ask Yourself: Do I need to do more research to complete my design? For example, how do I join one part of my design to another? <i>(If I go to do more research, I should include this in my Primary or Secondary research)</i></p>
	<p>What materials do you think should be used, and why?</p> <p>Are the materials available?</p> <p><i>(Circle one)</i> YES or NO</p>
	<p>What resources do I need to make the design?</p> <p>Does the school have the resources (tools, machinery, hardware, software or materials) to make the design?</p> <p><i>(Circle one)</i> YES or NO</p> <p>If not, what can I do to make the design?</p> <p>Will I have to get any resources myself? If so, where and when?</p>
	<p>List the skills or processes I need to make this design.</p> <p>Do I have the skills to make this design?</p> <p><i>(Circle one)</i> YES or NO</p> <p>Can I gain the skills to make this design?</p> <p><i>(Circle one)</i> YES or NO</p>
	<p>How much time do I have to make the design?</p> <p>How many classes is this?</p> <p>Will I be able to make this design in the time available?</p> <p><i>(Circle one)</i> YES or NO</p>
	<p>What will the costs be for the design?</p> <p>Would it cost too much?</p> <p><i>(Circle one)</i> YES or NO</p>
	<p>List any safety concerns.</p> <p>Is it safe?</p> <p><i>(Circle one)</i> YES or NO</p>

Feasibility

Why do you think your client will like the idea?

**Develops accurate and detailed** planning drawings/diagrams *(This should not be a sketch. It should be precisely drawn using rulers and compasses where applicable, computer drafted, or storyboarded)*

**Outlines requirements for the creation of the chosen solution.** *(Outlines - Give a brief account)*