





# Year 11: ASK Yourself!

## Subject: GCSE Design and Technology Section D: Developing Design Ideas

	Launching	Developing	Progressing	Mastering
 <b>S</b> skills				
<b>Techniques</b>	Basic development work is evident, using a limited range of 2D/3D techniques (including CAD where appropriate) in order to develop a prototype.	Development work is sufficient, using some 2D/3D techniques (including CAD where appropriate) in order to develop a prototype.	Good development work is evident, using a range of 2D/3D techniques (including CAD where appropriate) in order to develop a prototype.	Very detailed development work is evident, using a wide range of 2D/3D techniques (including CAD where appropriate) in order to develop a prototype.
<b>Modelling</b>	Modelling is basic, using a limited number of methods to test their design ideas meeting requirements only superficially.	Modelling is sufficient, using a variety of methods to test their design ideas, meeting some requirements.	Good modelling which uses a variety of methods to test their design ideas, largely meeting requirements.	Excellent modelling, using a wide variety of methods to test their design ideas, fully meeting all requirements.
 <b>K</b> knowledge				
<b>Materials and Components</b>	Materials/components selected with minimal research into their working properties or availability and may not be fully fit for purpose.	Materials/components selected with some research into their working properties and availability. Some of these may not be fully appropriate for purpose.	Materials/components selected are mostly appropriate with good research into their working properties and availability.	Fully appropriate materials/components selected with extensive research into their working properties and availability.
<b>Manufacturing Specification</b>	Basic manufacturing specification	Adequate manufacturing specification	Largely detailed manufacturing specification is	Fully detailed manufacturing specification is

	that lacks detail and has minimal justification to inform manufacture.	contains sufficient detail with some justification to inform manufacture.	produced with good justification to inform manufacture.	produced with comprehensive justification to inform manufacture.
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