

	EMERGING	SECURING	DEEPENING	MASTERY
MANUFACTURE	Tools, materials and equipment (including CAM where appropriate) have been used or operated safely at a basic level.	The correct tools, materials and equipment (including CAM where appropriate) have been used or operated safely with an adequate level of skill.	The correct tools, materials and equipment (including CAM where appropriate) have been used or operated safely with a good level, of skill.	The correct tools, materials and equipment (including CAM where appropriate) have been consistently used or operated safely with an exceptionally high level of skill.
	Basic quality control is evident through measurement only.	Some quality control is evident through measurement and testing.	Detailed quality control is evident to ensure the final product is mostly accurate through partial application of tolerances.	A high level of quality control is evident to ensure the final product is accurate by consistently applying very close tolerances.
	Final product shows a basic level of making/finishing skills which may not be appropriate for the desired outcome.	Final product shows an adequate level of making/finishing skills that are mostly appropriate to the desired outcome.	Final product shows a good level of making/finishing skills that are largely consistent and appropriate to the desired outcome.	Final product shows an exceptionally high level of making/finishing skills that are fully consistent and appropriate to the desired outcome.

Progress since last project:

Below expected

Expected

Good

Exceptional

Overall progress:

Below expected

Expected

Good

Exceptional

	EMERGING	SECURING	DEEPENING	MASTERY
DESIGN	<p>Basic ideas have been generated with clear design fixation and limited consideration of functionality, aesthetics and innovation.</p> <p>Limited design focus and understanding of the impact on society including; economic and social effects.</p> <p>Basic ideas have been generated with clear design fixation and limited consideration of functionality, aesthetics and innovation.</p> <p>Ideas generated taking little or no account of investigations carried out.</p> <p>Design, graphical and modelling skills are limited, rarely clear enough to appropriately communicate.</p> <p>Formal presentation is not clear and can be difficult to understand.</p>	<p>Some investigation into the work of others that has had some influence on their ideas.</p> <p>Some design focus and understanding of the impact on society including; economic and social effects.</p> <p>Imaginative ideas have been generated with a degree of design fixation and having some consideration of functionality, aesthetics and innovation.</p> <p>Ideas have been generated that take some account of investigations carried out but may lack relevance and/or focus.</p> <p>Design, graphical and modelling skills are sufficient but are not consistent in appropriately communicating.</p> <p>Formal presentation is sufficient and provides some clarity.</p>	<p>Detailed investigation into the work of others that has influenced ideas.</p> <p>Good design focus and understanding of the impact on society including; economic and social effects.</p> <p>Imaginative and creative ideas have been generated which mainly avoid design fixation and have adequate consideration of functionality, aesthetics and innovation.</p> <p>Ideas have been generated, taking into account on-going investigation that is relevant and focused.</p> <p>Design, graphical and modelling skills are good in appropriately communicating. Formal presentation is good and provides appropriate clarity.</p>	<p>Comprehensive investigation into the work of others that clearly informs ideas.</p> <p>Excellent design focus and full understanding of the impact on society including; economic and social effects.</p> <p>Imaginative, creative and innovative ideas have been generated, fully avoiding design fixation and with full consideration of functionality, aesthetics and innovation.</p> <p>Ideas have been generated, that take full account of on-going investigation that is both fully relevant and focused.</p> <p>Design, graphical and modelling skills are excellent and are effective and consistent. Formal presentation is excellent and provides impact and appropriate clarity.</p>
MANUFACTURE	<p>Tools, materials and equipment (including CAM where appropriate) have been used or operated safely at a basic level.</p> <p>Final product shows a basic level of making/finishing skills which may not be appropriate for the desired outcome.</p>	<p>The correct tools, materials and equipment (including CAM where appropriate) have been used or operated safely with an adequate level of skill.</p> <p>Final product shows an adequate level of making/finishing skills that are mostly appropriate to the desired outcome..</p>	<p>The correct tools, materials and equipment (including CAM where appropriate) have been used or operated safely with a good level, of skill.</p> <p>Final product shows a good level of making/finishing skills that are largely consistent and appropriate to the desired outcome.</p>	<p>The correct tools, materials and equipment (including CAM where appropriate) have been consistently used or operated safely with an exceptionally high level of skill.</p> <p>Final product shows an exceptionally high level of making/finishing skills that are fully consistent and appropriate to the desired outcome.</p>

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DESIGN	<p>Basic ideas have been generated with clear design fixation and limited consideration of functionality, aesthetics and innovation.</p> <p>Basic experimentation and communication is evident, using a limited number of techniques.</p> <p>Basic development work is evident, using a limited range of 2D/3D techniques (including CAD where appropriate) in order to develop a final product.</p> <p>Design, graphical and modelling skills are limited, rarely clear enough to appropriately communicate.</p> <p>Formal presentation is not clear and can be difficult to understand.</p>	<p>Imaginative ideas have been generated with a degree of design fixation and having some consideration of functionality, aesthetics and innovation.</p> <p>Experimentation is sufficient to generate a range of ideas. Communication is evident, using a range of techniques.</p> <p>Development work is sufficient, using some 2D/3D techniques (including CAD where appropriate) in order to develop a final product.</p> <p>Design, graphical and modelling skills are sufficient but are not consistent in appropriately communicating.</p> <p>Formal presentation is sufficient and provides some clarity.</p>	<p>Imaginative and creative ideas have been generated which mainly avoid design fixation and have adequate consideration of functionality, aesthetics and innovation.</p> <p>Good experimentation and communication is evident, using a wide range of techniques.</p> <p>Good development work is evident, using a range of 2D/3D techniques (including CAD where appropriate) in order to develop a final product.</p> <p>Design, graphical and modelling skills are good in appropriately communicating.</p> <p>Formal presentation is good and provides appropriate clarity.</p>	<p>Imaginative, creative and innovative ideas have been generated, fully avoiding design fixation and with full consideration of functionality, aesthetics and innovation.</p> <p>Extensive experimentation and excellent communication is evident, using a wide range of techniques.</p> <p>Very detailed development work is evident, using a wide range of 2D/3D techniques (including CAD where appropriate) in order to develop a final product.</p> <p>Design, graphical and modelling skills are excellent and are effective and consistent.</p> <p>Formal presentation is excellent and provides impact and appropriate clarity.</p>
MANUFACTURE	<p>Tools, materials and equipment (including CAM where appropriate) have been used or operated safely at a basic level.</p> <p>Basic quality control is evident through measurement only.</p> <p>Final product shows a basic level of making/finishing skills which may not be appropriate for the desired outcome.</p>	<p>The correct tools, materials and equipment (including CAM where appropriate) have been used or operated safely with an adequate level of skill.</p> <p>Some quality control is evident through measurement and testing.</p> <p>Final product shows an adequate level of making/finishing skills that are mostly appropriate to the desired outcome.</p>	<p>The correct tools, materials and equipment (including CAM where appropriate) have been used or operated safely with a good level, of skill.</p> <p>Detailed quality control is evident to ensure the final product is mostly accurate through partial application of tolerances.</p> <p>Final product shows a good level of making/finishing skills that are largely consistent and appropriate to the desired outcome.</p>	<p>The correct tools, materials and equipment (including CAM where appropriate) have been consistently used or operated safely with an exceptionally high level of skill.</p> <p>A high level of quality control is evident to ensure the final product is accurate by consistently applying very close tolerances.</p> <p>Final product shows an exceptionally high level of making/finishing skills that are fully consistent and appropriate to the desired outcome.</p>
ANALYSE	<p>Limited evidence that various iterations are as a result of considerations linked to testing, analysis and evaluation of the final product.</p> <p>Basic testing of some aspects of the final product against the design brief and specification. Little reference is made to any modifications either proposed or undertaken.</p> <p>Superficial analysis and evaluation.</p>	<p>Some evidence that various iterations are as a result of considerations linked to testing, analysis and evaluation of the final product, including basic consideration of feedback from third parties.</p> <p>Adequate testing of some aspects of the final product against the design brief and specification. Some reference is made to modifications either proposed or undertaken.</p> <p>Adequate analysis and evaluation is present at some stages of the project.</p>	<p>Good evidence that various iterations are as a result of considerations linked to testing, analysis and evaluation of the final product, including some consideration of feedback from third parties.</p> <p>Good testing of most aspects of the final product against the design brief and specification. Detailed reference is made to any modifications either proposed or undertaken.</p> <p>Good analysis and evaluation at most stages of the project.</p>	<p>Extensive evidence that various iterations are as a direct result of considerations linked to testing, analysis and evaluation of the final product, including well considered feedback from third parties.</p> <p>Comprehensive testing of all aspects of the final product against the design brief and specification. Fully detailed and justified reference is made to any modifications both proposed and undertaken.</p> <p>Excellent ongoing analysis and evaluation evident throughout the project.</p>

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	Project	Key Target Area (from previous project)	What I will do to achieve my target?	Review – Have I met my target? How do I know?
Term One	Tea Light			
	Sustainable Key Ring			
	Moodlamp			
Term Two	Mechanical Toy			
	Perspective Drawing			

Overall year review: