

Subject: Engineering Level 2 Tech Award

		Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 10	Assessment task(s)/title(s)	<p>Teacher: Mrs Casey – Component 1 Exploring Engineering Sectors and Design - Assignment 1</p> <p>Teacher: Mr Nalley – Component 2 Investigating an Engineering Project - Assignment 1</p>	<p>Teacher: Mrs Casey – Component 1 Exploring Engineering Sectors and Design - Assignment 1</p> <p>Teacher: Mr Nalley – Component 2 Investigating an Engineering Project - Assignment 2</p>	<p>Teacher: Mrs Casey – Component 1 Exploring Engineering Sectors and Design - Assignment 2</p> <p>Teacher: Mr Nalley – Component 2 Investigating an Engineering Project - Assignment 3</p>	<p>Teacher: Mrs Casey – Component 1 Exploring Engineering Sectors and Design - Assignment 2</p> <p>Teacher: Mr Nalley – Component 2 Investigating an Engineering Project - Assignment 3</p>	<p>Teacher: Mrs Casey – Component 3 Responding to an Engineering Brief – Exam Prep</p> <p>Teacher: Mr Nalley – Component 3 Responding to an Engineering Brief – Exam Prep</p>	<p>Teacher: Mrs Casey – Component 3 Responding to an Engineering Brief – Exam Prep</p> <p>Teacher: Mr Nalley – Component 3 Responding to an Engineering Brief – Exam Prep</p>
	Key knowledge	<p>Teacher: Mrs Casey – A Understand engineering sectors, products and organisations, and how they interrelate</p> <p>Teacher: Mr Nalley – A Understand materials, components and processes for a given engineered product</p>	<p>Teacher: Mrs Casey – A Understand engineering sectors, products and organisations, and how they interrelate</p> <p>Teacher: Mr Nalley – B Investigate a given engineered product using disassembly techniques</p>	<p>Teacher: Mrs Casey – B Explore engineering skills through the design process.</p> <p>Teacher: Mr Nalley – C Plan the manufacture of and safely reproduce/inspect/test a given engineered</p>	<p>Teacher: Mrs Casey – B Explore engineering skills through the design process.</p> <p>Teacher: Mr Nalley – C Plan the manufacture of and safely reproduce/inspect/test a given engineered</p>	<p>AO1 Understand how to respond to an engineering brief AO2 Select skills and techniques in response to an engineering brief AO3 Apply skills and techniques in response to an engineering brief AO4 Evaluate and review the outcomes of the application of skills and techniques in response to an engineering brief</p>	<p>AO1 Understand how to respond to an engineering brief AO2 Select skills and techniques in response to an engineering brief AO3 Apply skills and techniques in response to an engineering brief AO4 Evaluate and review the outcomes of the application of skills and techniques in response to an engineering brief</p>

	Vocabulary instruction	Report based writing skills such as technical language as well as extensive/correct use of the Harvard referencing system.	Report based writing skills such as technical language as well as extensive/correct use of the Harvard referencing system.	Report based writing skills such as technical language as well as extensive/correct use of the Harvard referencing system.	Report based writing skills such as technical language as well as extensive/correct use of the Harvard referencing system.		
	Subject-specific strand(s)	Teacher: Mrs Casey – Design, CAD, CAM Teacher: Mr Nalley – Manufacturing, Materials.	Teacher: Mrs Casey – Design, CAD, CAM Teacher: Mr Nalley – Manufacturing, Materials.	Teacher: Mrs Casey – Design, CAD, CAM Teacher: Mr Nalley – Manufacturing, Materials.	Teacher: Mrs Casey – Design, CAD, CAM Teacher: Mr Nalley – Manufacturing, Materials.	Teacher: Mrs Casey – Design, CAD, CAM Teacher: Mr Nalley – Manufacturing, Materials.	Teacher: Mrs Casey – Design, CAD, CAM Teacher: Mr Nalley – Manufacturing, Materials.

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Year 11	Assessment task(s)/title(s)	<p>Teacher: Mrs Casey – Component 3 Responding to an Engineering Brief – Exam Prep (11Deg2)</p> <p>Teacher: Mr Nalley – Responding to an Engineering Brief Component 3 – Exam Prep (11Deg1)</p>	<p>Teacher: Mrs Casey – Component 3 Responding to an Engineering Brief – Exam Prep (11Deg2)</p> <p>Teacher: Mr Nalley – Responding to an Engineering Brief Component 3 – Exam Prep (11Deg1)</p>	<p>Teacher: Mrs Casey – Component 3 Responding to an Engineering Brief – Exam Prep (11Deg2)</p> <p>Teacher: Mr Nalley – Responding to an Engineering Brief Component 3 – Exam Prep (11Deg1)</p>	<p>Teacher: Mrs Casey – Component 3 Responding to an Engineering Brief – Exam Prep (11Deg2)</p> <p>Teacher: Mr Nalley – Responding to an Engineering Brief Component 3 – Exam Prep (11Deg1)</p>	Course Finish	Course Finish
	Key knowledge	<p>Teacher: Mrs Casey – C3AO1 Understand how to respond to an engineering brief</p> <p>Teacher: Mr Nalley – C3AO1 Understand how to respond to an engineering brief</p>	<p>Teacher: Mrs Casey – C3AO2 Select skills and techniques in response to an engineering brief</p> <p>Teacher: Mr Nalley – C3AO2 Select skills and techniques in response to an engineering brief</p>	<p>Teacher: Mrs Casey – C3AO3 Apply skills and techniques in response to an engineering brief</p> <p>Teacher: Mr Nalley – C3AO3 Apply skills and techniques in response to an engineering brief</p>	<p>Teacher: Mrs Casey – C3AO4 Evaluate and review the outcomes of the application of skills and techniques in response to an engineering brief</p> <p>Teacher: Mr Nalley – C3AO4 Evaluate and review the outcomes of the application of skills and techniques in response to an engineering brief</p>	Course Finish	Course Finish

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	Subject-specific strand(s)	Teacher: Mrs Casey – Interpretation, designing, problem solving Teacher: Mr Nalley – Interpretation, designing, problem solving	Teacher: Mrs Casey – Materials, Manufacturing Process Teacher: Mr Nalley – Materials, Manufacturing Process	Teacher: Mrs Casey – Materials, Manufacturing Application Teacher: Mr Nalley – Materials, Manufacturing Application	Teacher: Mrs Casey – Evaluation, critical thinking, data handling Teacher: Mr Nalley – Evaluation, critical thinking, data handling	Course Finish	Course Finish