

KS4 ATTAINMENT BAND EXPECTATIONS

Year 11 *Engineering BTEC Level 1/2*

	RED ATTAINMENT BAND (30%) L1 – Pass	AMBER ATTAINMENT BAND (20%) L2 Pass	GREEN ATTAINMENT BAND (30%) L2 Merit	PURPLE ATTAINMENT BAND (20%) L2 Distinction
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Year 11 - Engineering _ Unit 7 Manufacturing Techniques

Level 1	Level 2 Pass	Level 2 Merit	Level 2 Distinction
Learning aim A: Select and use tools and work-holding devices for drilling and for turning or milling			
1A.1 Outline the functions of simple tools used for drilling and turning or milling.	2A.P1 Describe the functions of simple and complex tools used for drilling and turning or milling.	2A.M1 Explain why particular tools and work-holding devices are useful for different drilling and turning or milling tasks.	2A.D1 Evaluate the effectiveness of tools and work-holding devices for different drilling and turning or milling tasks.
1A.2 Use simple tools for accurate drilling and turning or milling.	2A.P2 Select and use simple and complex tools for accurate drilling and turning or milling.		
1A.3 Use a simple work-holding device for accurate drilling and turning or milling.	2A.P3 Select and use simple and complex work-holding devices for accurate drilling and turning or milling.		

Level 1	Level 2 Pass	Level 2 Merit	Level 2 Distinction
Learning aim B: Make workpieces using drilling and turning or milling techniques safely			
1B.4 Set positional parameters before machining workpieces by drilling and turning or milling techniques.	2B.P4 Set positional parameters before machining and set and monitor dynamic parameters during machining by drilling and turning or milling techniques.		
1B.5 Produce two given machined workpieces that demonstrate simple features of drilling and turning or milling techniques. *	2B.P5 Produce two machined workpieces that demonstrate simple and complex features of drilling and turning or milling techniques. *	2B.M2 Demonstrate high levels of precision and accuracy when using drilling and turning or milling techniques. *	2B.D2 Assess own levels of precision and accuracy, identifying strengths and weaknesses and safe working practices. *
1B.6 Describe and carry out visual checks made for compliance on a machined workpiece according to instructions.	2B.P6 Describe and carry out visual and specific checks carried out for compliance and accuracy when producing the machined workpieces.	2B.M3 Explain why it is important to carry out checks on the accuracy of workpiece features both during and after manufacture.	
1B.7 Demonstrate safe practice when using drilling and turning or milling techniques.	2B.P7 Demonstrate consistency in safety awareness and safe working practices when machining workpieces.	2B.M4 Explain the importance of safe working practices when using drilling and turning or milling techniques.	

*Opportunity to assess mathematical skills

#Opportunity to assess English skills

Year 11 *Engineering* – Long Term Plan 2018-19

	Week 1 3 Sept.	Week 2 10 Sept.	Week 3 17 Sept.	Week 4 24 Sept.	Week 5 1 Oct.	Week 6 8 Oct.	Week 7 15 Oct.	Week 8 22 Oct.
Term 1	Unit 7 Project	Unit 7 Project	Unit 7 Project	Unit 7 Project	Unit 7 Project	Unit 7 Project	Unit 7 Project	Unit 7 Project
	Week 9 5 Nov.	Week 2 12 Nov.	Week 3 19 Nov.	Week 4 26 Nov.	Week 5 3 Dec.	Week 6 10 Dec.	Week 7 17 Dec.	
Term 2	Unit 7 Project	Unit 7 Project	Unit 7 Project	Unit 7 Project	Revision intervention for retake cohort	PRAG Progress week	External assessment Attempt 2	
	Week 1 7 Jan.	Week 2 14 Jan.	Week 3 21 Jan.	Week 4 28 Jan.	Week 5 4 Feb.	Week 6 11 Feb.		
Term 3	Unit 7 Project	Unit 7 Project	Unit 7 Project	Unit 7 Project	Unit 7 Project	Unit 7 Project		
	Week 1 25 Feb.	Week 2 4 Mar.	Week 3 11 Mar.	Week 4 18 Mar.	Week 5 25 Mar.	Week 6 1 April		
Term 4	Unit 7 Project	Unit 7 Project	Unit 7 Project	Unit 7 Project	PRAG Progress week Unit 7 Project	Complete for Standards Verification		
	Week 1 22 April	Week 2 29 April	Week 3 6 May	Week 4 13 May	Week 5 20 May			
Term 5								
	Week 1 3 June	Week 2 10 June	Week 3 17 June	Week 4 24 June	Week 5 1 July	Week 6 8 July	Week 7 15 July	

Term 6							
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