



Technology Department Year 10, long term planning

Week	36	37	38	39
W/C Date	25-Jun	2-Jul	9-Jul	16-Jul
Topic	Unit 2: Learning Aim: B. Investigating an Engineered Product			
Key Objectives	Practical engineering skills. Observing and recording skills, such as an examination of: o visual features o surface features o mass o colour o degradation o identification marks.	<ul style="list-style-type: none"> Measurement skills, such as: o measuring diameter o measuring linear dimensions o use of comparative techniques o knowledge of component values, e.g. resistors. 	<ul style="list-style-type: none"> Appraisal/ interpretation skills, such as justifications and reasoning. 	
Assessment	Create a plan to produce an engineered component in a suitable sequence that covers processes, equipment and materials.			
Homework	Homework booklet			

Department Year 10 grades 3-8 long term plan		Key Skills to be Covered
	Assessment weeks	
	Moderation week	
	Data Capture	
	STAR marking	
	Exit Poll	

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
W/C Date	03-Sep	10-Sep	17-Sep	24-Sep	01-Oct	08-Oct	15-Oct		29-Oct	05-Nov	12-Nov	19-Nov	26-Nov	03-Dec	10-Dec	17-Dec		
Topic				MOCK PREP	Mock Examination	Product design specification (PDS)			Assignment Work to be completed by students			Unit 2: Learning Aim: C. Plan the manufacture of and safely reproduce/ inspect/test a given engineered component						
Key Objectives	Safe use of disassembly techniques, to include: o removal of semi-permanent fixings o parts removal and layout o replacement of non-reusable consumables or fixings. • Safe use of tools and equipment – disassembly/reassembly tools with settings.					Disassembly techniques: Size and mass • product life and reliability • performance/ function/service requirements • economic and making considerations • implications of standards and legislation.						Create a plan to produce an engineered component in a suitable sequence that covers processes, equipment and materials.		Produce an engineered component using a range of processes and inspect against given quality standards.				
Assessment	Create a plan to produce an engineered component in a suitable sequence that covers processes, equipment and materials					Create a plan to produce an engineered component in a suitable sequence that covers processes, equipment and materials						Produce an engineered component using a range of processes and inspect against given quality standards.						
Homework	Homework booklet										Homework booklet							

Week	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
W/C Date	07-Jan	14-Jan	21-Jan	28-Jan	04-Feb	11-Feb		25-Feb	04-Mar	11-Mar	18-Mar	25-Mar	01-Apr	08-Apr		
Topic	Unit 2: Learning Aim: C. Plan the manufacture of and safely reproduce/ inspect/test a given engineered component							Unit 2: Learning Aim: C. Plan the manufacture of and safely reproduce/ inspect/test a given engineered component								
Key Objectives	Produce an engineered component using a range of processes and inspect against given quality standards.							Create a detailed plan to produce an engineered component in the correct sequence that covers the correct processes, equipment, materials and inspection techniques			Effectively produce an engineered component using a range of processes and inspect against given quality standards to confirm compliance.			Evaluate the success of the planning and production of an engineered component and make recommendations for improvements to the process.		
Assessment	Defining the problem. • Developing possible solutions. • Choosing a solution. • Making using engineering processes. • Inspecting and testing chosen solution. • Evaluating outcome of project.							Developing a production plan, to include: o health and safety o operations/processes o inspection, testing and quality standards o equipment/tools o materials and components o quantity, e.g. one-off, batch, mass production.								
Homework	Homework booklet							Homework booklet								



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	35	36	37	38	39	40	41	42	43	44	45	46	46
Week	29-Apr	06 - May	13-May	20-May		03-Jun	10-June	17-June	24-June	01-July	08-July	15-July	22-July
W/C Date													
Topic													
Key Objectives													
Assessment	Assignment Work to be completed by students			MOCK PREP		Mock Examination	Mock Examination	Assignment Work to be completed by students					