

Learning Intention	Vocab	Concept	Retrieval	Success Criteria	Hinge Questions for this lesson	Red Zone
Wk 1 - Lesson 1 Electrical and Electronic systems	Circuit Component Amps Volts Current Charge	Electrical circuits	Circuit Component Amps Volts Current Charge	I can plan the parts of a simple circuit I can organise and populate circuits I can organise and implement a sensing circuit with feedback loops	The bulb is not lighting. What will make it work? A. Add another battery B. Use a new bulb C. Close the switch D. Add more wires	Complete the worksheet task for this lesson
Wk 2 - Lesson 2 Modelling and Cad/Cam	CAD/CAM Health and safety Quality control	CAD/CAM	CAD/CAM Health and safety Quality control	I can describe why we use modelling in DT I can use appropriate CAD/ CAM in DT I can discuss the advantages and disadvantages of CAD/CAM	What is the main purpose of using CAD software in design? - To cut materials automatically - To create accurate digital drawings - To paint models with colour	Complete the worksheet task for this lesson
Wk 3 - Lesson 3 Health and safety	Safety Workshop rules PPE Responsibility	Safety in the workshop	Safety Workshop rules PPE Responsibility	I can explain the importance of health and safety in the workshop I can describe the safest way to use tools and machinery	Which action is the safest when using a saw? - Hold the wood with your hand close to the blade - Cut as fast as possible to finish quickly	Complete the worksheet task for this lesson

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					- Wear goggles and keep hands away from the blade	
Wk 4 - Lesson 4 Practical working	Safety Tools Machines Planning	Practical learning	Safety Tools Machines Planning	I can apply health and safety rules in a practical lesson I can select and use rulers correctly I can demonstrate cutting skills with suitable equipment	What should you always do before using a machine in the workshop? - Start the machine to see how loud it is - Ask the teacher for permission - Let a friend test it first	Complete your practical work in a safe and organised manner.
Wk 5 - Lesson 5 Practical working	Safety Tools Machines Planning	Practical learning	Safety Tools Machines Planning	I can apply health and safety rules in a practical lesson I can select and use rulers correctly I can demonstrate cutting skills with suitable equipment	What is the safest way to move around the workshop? - Walk carefully and stay aware of others - Run to get tools more quickly - Push past people if they're in the way	Complete your practical work in a safe and organised manner.

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Wk 6 - Lesson 6 Practical working	Safety Tools Machines Planning	Practical learning	Safety Tools Machines Planning	I can apply health and safety rules in a practical lesson I can select and use rulers correctly I can demonstrate cutting skills with suitable equipment	A student solders two wires together, but the joint is weak and breaks easily. What will fix the problem? A. Use more solder so it forms a big blob B. Heat the joint properly before adding solder C. Hold the wires together with your fingers while soldering	Complete your practical work in a safe and organised manner.