

Term	Week	Focus	Summary	Learning Outcomes
Term 1	1	Introduction to DT	Health and safety in the DT room - risks and hazards, DT passport.	To be aware of the risks and hazards in the DT room.
	2	Health & Safety	Health and safety in the DT room - risks and hazards, DT passport.	To be aware of the risks and hazards in the DT room.
	3	Health & Safety	Health and safety in the DT room - risks and hazards, DT passport.	To be aware of the risks and hazards in the DT room.
	4	Introduction: Design in the natural world.	<i>Product evolution, technology push, technology pull.</i>	To evaluate the development of technology from past to present.
	5	Future technology	Research what is 'in the pipeline' and consider sketching how you'd like the next piece of tech to look. <i>Artificial intelligence, 3D Printing, microprocessor, microcontroller, RAM and ROM.</i>	What new technologies are being developed that are changing the way we live and work?
	6	Devices: End of life reuse.	<i>Linear economy, Circular economy, cradle to grave.</i> The 6 R's in design.	Evaluate the sustainability of various products.
	7	Designing products for our future.	Plastic waste, Design challenge <i>tensile strength, polyethylene terephthalate (PET), shredded.</i>	Analyse how design is making a difference.
	8	CAD/Cardboard 3D modelling <i>Prototypes.</i>	introduction to CAD modelling via tinkercad. <a href="https://www.tinkercad.com/things?type=designs">https://www.tinkercad.com/things?type=designs</a>	Experiment with 3D digital design.
	9	Skateboard: Think it Worksheet.	Skateboard design ideas	generate ideas for client brief.
	10	Skateboard: Explore it worksheet.	Look at history, innovation, and places that are important to skateboarding:	Research into the history of skateboarding.
	11	Skateboard: Sketch it worksheet.	Sketch out design ideas in preparation for CAD prototype.	Create detailed sketches of skateboard design.
	12	3D Tinkercad Design	Tinkercad Designs. <a href="https://www.youtube.com/watch?v=QLFP0c7L_c8">https://www.youtube.com/watch?v=QLFP0c7L_c8</a>	Develop skills in CAD.
	13	3D Tinkercad Design	Tinkercad Designs.	Develop skills in CAD.
	14	Product presentation	A2 Design sheet containing all research/project development. Self & peer review of designs.	Evaluate project.