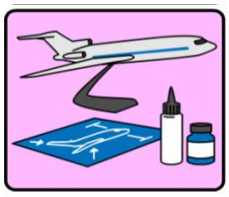
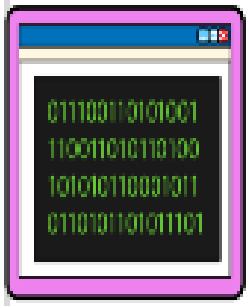
Year 5

Structures – Electrical Systems

	Key Objectives	Start of unit	End of unit
Design 	Can I communicate my ideas, and also alternative ideas which show that I am aware of the constraints on my ideas?		
	Can I make detailed plans including cross-sectional and exploded diagrams, using computer aided design to assist?		
Functionality & Technology 	Can I apply knowledge of electrical circuits and use switches to make a functioning mechanism?		
	Can I write code to control and monitor models or products? (CAMS)		
	Can I fix a moving mechanism together effectively?		
Evaluate			

Year 5

Crumble Project (D&T & Computing)-

	Key Objectives	Start of unit	End of unit
Design 	Can use labelled sketches (2D and 3D) and diagrams to communicate the details of their design		
Functionality & Technology 	Find a fault in a simple circuit and correct it.		
	Can use an ICT control program to make a mechanism work		
	Make a product which uses both electrical and mechanical components		
Computer Science 	Can I explain what an infinite loop does?		
	Can I design sequences that use count-controlled loops?		
	Can I design a conditional loop?		
	Can I create a simple circuit and connect it to a microcontroller?		
	Can I use a count-controlled loop to control outputs?		
	Can I program a microcontroller to respond to an input?		
	Can I test and debug my project?		

Year 5 Nutrition

Culture and Seasonality

	Key Objectives	Start of unit	End of unit
Design 	**Can I collect my own data to help me design my product e.g. bar charts, pictograms?**		
	Can I explain who my product is for and therefore what impact that has on my design?		
Technology & Functionality			
Nutrition 	**Can I cut a range of food groups safely?**		
	Can I follow a recipe with different measurements?		
	Can I explain seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed?		
	Can I explain how to be both hygienic and safe when using food in a kitchen?		
Evaluate			