Year 2 Progression in Design Technology

Structures	Mechanical Systems	Electrical Systems	Computer Programming	Textiles	Cooking and Nutrition
	Wheels and Axles ●I know how to create a simple wheel mechanisms with wheels and axles which work together to propel a simple vehicle ●I know how the size and position of the wheels affect how they move			**Templates and joining techniques** ●I know how to use a template to create two identical shapes to make a 3-D textile product ●I know how to join fabrics using different techniques: *running stitch, glue, over stitch, stapling*	**Preparing fruit and vegetables** ●I know how to use simple utensils and equipment to process fruit and vegetables safely: *peel, cut, slice, squeeze, grate and chop* ●I know the basic principles of a healthy and varied diet and how fruit and vegetables are part of *The Eatwell Plate*
	Wheels and Axles ●I will know how to investigate and evaluate wheeled toys ●I will know how to explore realistic and appropriate ideas focusing on the needs of the user ●I will know how to investigate and evaluate how wheels and axles work together ●I will know how to design a product for my intended purpose and user I will know how to generate realistic and appropriate ideas focusing on the needs of the user			**2d shape to 3d product** ●I will know how to investigate and evaluate textile toys and everyday items ●I will know how to explore realistic and appropriate ideas focusing on the needs of the user ●I will know how to investigate and evaluate joining techniques ●I will know how to design a product for my intended purpose and user I will know how to generate realistic and appropriate ideas focusing on the needs of the user	**Preparing fruit and vegetables** ●I will know how to investigate and evaluate fruit and vegetables ●I will know how to explore realistic and appropriate ideas focusing on the needs of the user ●I will know how to investigate and evaluate common fruit and vegetable food products ●I will know how to design a product for my intended purpose and user ●I will know how to generate realistic and appropriate

	I will know how to make my product using the design criteria I will know how to evaluate my product for the intended purpose and intended user			I will know how to make my product using the design criteria I will know how to evaluate my product for the intended purpose and intended user	ideas focusing on the needs of the user ● I will know how to write a set of instructions for a product I will make I will know how to make my product using the design criteria I will know how to evaluate my product for the intended purpose and intended user