

Year 5 Technology			
	Autumn 1	Spring 1	Summer
	Term 1.1	Term 2.1	Term 1 Term 2
		CAMs Moving Toys	
(knowledge) must know		<p>A cam mechanism is made up of three components: a cam, slider and follower. The mechanism causes components to move. Cams can be made out of metal, plastic or wood.</p> <p>There are different types of cams which create different movements: round, egg shaped, ellipse, eccentric, hexagon, snail</p> <p>The eccentric cam rotates as it fixed to the axle which is turned by the handle.</p> <p>The 'toy' model has a linear and rotary movement caused by the eccentric cams and followers.</p>	
(skills) be able to		<p>Material</p> <ul style="list-style-type: none"> • Cut materials with precision and refine the finish with appropriate tools (such as sanding wood after cutting or a more precise scissor cut after roughly cutting out a shape). • Show an understanding of the qualities of materials to choose appropriate tools to cut and shape (such as the nature of fabric may require sharper scissors than would be used to cut paper). <p>Construction</p> <ul style="list-style-type: none"> • Develop a range of practical skills to create products (such as cutting, drilling and screwing, nailing, gluing, filling and sanding). <p>To design, make, evaluate and improve</p> <ul style="list-style-type: none"> • Design with the user in mind, motivated by the service a product will offer (rather than simply for profit). • Ensure products have a high quality finish, using art skills where appropriate. • Use prototypes, cross-sectional diagrams and computer aided designs to represent designs. 	
Key Vocabulary		Construct Product Eccentric Cam Rotary	
Links			
Ass.			
Performance / debate / world of work			