



All Saints CE Primary School and Nursery

Medium Term Planning



Class teacher: Lisa Edwards Year group: 6 Term: Spring 1 Subject: D.T.: Moving Toys

British Values

Lesson	SKILLS Based L.G.	Brief outline of lesson content (or where this can be found/unit found in, if for example it is a published scheme such as Science)	Key Vocabulary covered
1	L.G.: Investigate toys with moving cam mechanisms	Planbee lesson 1 Sketch and annotate drawings of toys with cam mechanisms, Respect	Mechanical, cam mechanism, linkage system, follower, rotary movement, linear movement
2	L.G.: investigate different types of cam mechanism	Planbee lesson 3- Test different cam shapes and record movements Twinkl lesson useful for further exploration Respect	Names of different cam shapes: eccentric, round, snail, hexagon, ellipse, egg-shaped
3	L.G.: investigate ways of strengthening structures for a moving toy	Planbee lesson 3 Explore resources and discuss and use techniques to strengthen their structure to hold the cam and moving toy- design process Respect	Structure, stability, sturdy, strengthen
4	L.G.: design a moving toy with a cam mechanism	Planbee lesson 4 Design a moving toy with a cam mechanism inspired by the fairy tale characters Make Cardboard Automata STEM Activity (sciencebuddies.org) Respect	Design, measurements, purpose, audience, materials, tools

5	L.G.: follow a design to create a moving toy with a cam mechanism	Planbee lesson 5 Use design to make the moving toy- support with safety when using tools Respect	Use designs, tool techniques and safety, problem solve, adapt
6	L.G.: evaluate a finished design	Planbee lesson 6 Evaluation scale/ questionnaire Respect	Evaluate, worked well, change