

Term	Week	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn	Week 1	Mechanisms – Making a moving storybook. Lesson 1: Exploring sliders and movement	Textiles – Pouches Lesson 1: Running stitch	Mechanical systems – Pneumatic toys Lesson 1: Exploring pneumatics	Mechanical systems – Making a slingshot car Lesson 1: Chassis and launch mechanism	Mechanical systems – Pop up books Lesson 1: Pop-up book page design	Textiles – Waistcoats Lesson 1: Waistcoat design
	Week 2	Lesson 2: Design	Lesson 2: Using a template	Lesson 2: Designing a pneumatic toy	Lesson 2: Designing the car body	Lesson 2: Making my pop-up book	Lesson 2: Preparing fabric
	Week 3	Lesson 3: Construction	Lesson 3: Making a pouch	Lesson 3: Making pneumatic toys	Lesson 3: Making the car body	Lesson 3: Using layers and spacers	Lesson 3: Assembling my waistcoat
	Week 4	Lesson 4: Testing and evaluation	Lesson 4: Decorating a pouch	Lesson 4: Decorating and assembling my toy	Lesson 4: Assembly and testing	Lesson 4: Writing and illustrating	Lesson 4: Decorating my waistcoat
Spring	Week 1	Textiles – puppets Lesson 1: Joining fabrics	Mechanisms – Fairground Wheel Lesson 1: Design a fairground wheel	Structures – Constructing a castle Lesson 1: Features of a castle	Textiles – Fastenings Lesson 1: Evaluating fastenings	Structures – Bridges Lesson 1: Arch and beam bridges	Structures – Playgrounds Lesson 1: Design a new playground
	Week 2	Lesson 2: Designing my puppet	Lesson 2: Planning the build	Lesson 2: Designing a castle	Lesson 2: Designing my book sleeve	Lesson 2: Spaghetti truss bridges	Lesson 2: Building structures
	Week 3	Lesson 3: Making and joining my puppet	Lesson 3: Building the frame and wheels	Lesson 3: Nets and structures	Lesson 3: Paper mock-up and preparing fabric	Lesson 3: Building bridges	Lesson 3: Perfecting structures
	Week 4	Lesson 4: Decorating my puppet	Lesson 4: Surveying design opinions	Lesson 4: Building a castle	Lesson 4: Assembling my book sleeve	Lesson 4: Finalising bridges	Lesson 4: Playground landscapes
	Week 5		Lesson 5: Adding pods and decoration				
Summer	Week 1	Structures – Constructing a windmill Lesson 1: Windmills	Structures – Baby bears chair Lesson 1: Exploring stability	Textiles – Egyptian collars Lesson 1: Cross-stitch and appliqué	Structures – Pavilions Lesson 1: Exploring frame structures	Textiles – Stuffed toys Lesson 1: Designing a stuffed toy	Mechanical systems – automata toys Lesson 1: Automata
	Week 2	Lesson 2: Making the sails	Lesson 2: Strengthening materials	Lesson 2: Egyptian collars	Lesson 2: Designing a pavilion	Lesson 2: Blanket stitch	Lesson 2: Frame assembly
	Week 3	Lesson 3: Attaching the sails	Lesson 3: Making Baby Bear’s chair	Lesson 3: Developing the collars	Lesson 3: Pavilion frame	Lesson 3: Details and appendages	Lesson 3: Experimenting with cams
	Week 4	Lesson 4: Evaluating windmills	Lesson 4: Fixing and testing Baby Bear’s chair	Lesson 4: Finishing their collars	Lesson 4: Pavilion cladding	Lesson 4: Stuffed toy assembly	Lesson 4: Finishing touches