



LTP 3 Year Rolling Programme – DT - Eagles

Year 1	Term 1	Term 2	Term 3
Focus	Term 1	Term 2	Term 3
Project	Wheel and Axles	Woodwork Skills – In 3 yr rotation - maze game, clock, pencil box,	Templates - Puppets/Soft Toy
Skills & Knowledge	Pneumatics - balloon Powered Buggy Constructing with sheet materials Testing and evaluating – paired work.	Design and Make Clock Design Wall hanging Plastics	2D shape into 3D Product Design, make and evaluate a puppet to perform a play
Year 2	Term 1	Term 2	Term 3
Focus	RESISTANT MATERIALS	STRUCTURES/MECHANISMS	TEXTILES: In 3yr rotation Money container, slippers, pan holder
Project	Picture Frame - structures	Fairground	Money container
Skills & Knowledge	Structures – Triangulation – Design and make a stand up picture frame Skills: Wood work- measuring, marking out, safe use of hand tools.	Electric circuit and pulleys Focused practical task – Merry go Round	Design and Make Evaluating products Joining techniques,
Year 3	Term 1	Term 2	Term 3
Focus	MECHANISMS	RESISTANT MATERIALS	STRUCTURES/ MECHANISMS
Project	Sliders, Levers and linkages	Clock Design	CAM TOYS
Skills & Knowledge	Sliders and levers – Greetings card Card engineering.	Design and Make Clock Design – Sand up design Plastics	Design and Make Project – Wooden mechanical Cam Toy using one CAM
Year 4	Term 1	Term 2	Term 3
Focus	MECHANISMS	RESISTANT MATERIALS	TEXTILES
Project	AFRICAN ADVENTURES	Woodwork Skills – In 3 yr rotation - maze game, clock, pencil box,	Templates - Puppets
Skills & Knowledge	African Clay instrument	Design and Make- Pencil box Wood work - joints Plastics	2D shape into 3D Product Design, make and evaluate a puppet to perform a play