



LTP 3 Year Rolling Programme – DT - Falcons

Year 1	Term 1	Term 2	Term 3
Focus	MECHANISMS	RESISTANT MATERIALS	TEXTILES
Project	Wheel and Axles	Woodwork Skills – In 3 yr rotation - maze game, clock, pencil box,	Templates - Puppets/Soft Toy
Skills & Knowledge	Elastic band powered vehicle, Investigate simple Wheel and Axle mechanisms Construction with kits/recycled materials.	Design and Make Clock Design – Wood work skills	2D shape into 3D Product Design a jacket for favourite soft toy
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	Create hanging picture frame Simple woodwork joints /Flower press Riveting sheet materials, using simple hand tools.	Electric circuit and pulleys Focused practical task – Merry go Round	Design and Make; Money containers Fastenings, 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	Card Engineering – Pop up - Slider mechanisms Corrflute sheet, foam board, rivets,	Design and Make Clock Design –	Design and Make Project – 3D mechanical Cam Toy – Tech card/card engineering Wooden Cam TOY 1 cam.
Year 4	Term 1	Term 2	Term 3
Focus	MECHANISMS	RESISTANT MATERIALS	TEXTILES
Project	AFRICAN ADENTURES	Woodwork Skills – In 3 yr rotation - maze game, clock, pencil box,	Templates - Puppets
Skills & Knowledge	Musical instruments Recycled materials	Design and Make -Maze game – Wood work skills	2D shape into 3D Product Design a jacket for favourite soft toy