ALDER COPPICE PRIMARY SCHOOL UNIT INFORMATION

SUBJECT: DT		YEAR 3			PRING TERM nanics – linkages/levers	
Knowledge Focus	Design	Make		Technical Knowledge		Evaluate
National Curriculum Knowledge	 use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups. generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. 	finishing, accurately select from and	equipment to asks, such as joining and use a wider aterials and including als, textiles and ding to their	to strengthen, s more complex s • understand a systems in thei	derstanding of how stiffen and reinforce structures. nd use mechanical r products, such as s, cams, levers	 investigate and analyse a range of existing products. evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. understand how key events and individuals in design and technology have helped shape the world
Year 3	What Pupils will Know: Linkages/levers To know what a mechanical system is To know how to use lever and linkage mechanism To know how to recognise fixed and loose pivots To know that a mechanism provides movement To know how levers when combined create linkages to change motion direction To know the names of different forms of motion including: Linear Oscillating Reciprocating Rotary					PIVOT — FIXED PIVOT POINT