



ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN

TOPIC TITLE/SUBJECT: DT: Mechanisms and Enterprise Week

YEAR GROUP: 3

TERM: Spring

Vocabulary: - Mechanism - function - design criteria - prototype - template - lever - Linkages - Construct, - Assemble - components - generate - communicate - characteristics of materials - direction - movement - fixed / loose pivot	Skills DT (DESIGN, MAKE, EVALUATE) - Explore mechanical systems. - Draw a simple annotated design. - Start to generate ideas for design criteria. - Make a prototype and finished card which has at least one lever/ linkage mechanism (modify final outcome based on the evaluation of prototype) - Evaluate what they did well on their product and things they could improve	What we already know - How to design a product for a purpose - Use a selection of tools safely and accurately (scissors, rulers, split pins) Year 2 topics: - Use of simple levers, sliders, axle wheels - Choose from a range of materials - Trial and error, fixing and amending - The simple design / evaluation process.
Application/ Outcomes - Design of a product a Stone Age scene for a specific purpose (Enterprise sale) - Construction and analysis of different prototypes using different types of lever - Construction of a 'final product' – a card with a moving part / lever and linkage system - Selling a product at an Enterprise sale		Concepts - Product must be designed for a specific person (family member or friend) - A lever is a mechanism to move something with little force - Levers must be linked in some way - A product must be designed for a specific purpose - Products can be evaluated and improved during the design process
Other/Cross Curricular Links with English/Maths/Adaptation for SEND Maths – pricing a product Science - forces Art – design of a card that is aesthetically pleasing SEND Adaptations – word-banks, image-mats, mixed ability pairings, varying outcomes, simplified design and evaluation resources.		