Caroline Haslett Primary School - DT			
Topic: Mechanics	Year 5		Moon Buggy
Knowledge		Vocabulary	
 The Lunar Rover Vehica a battery powered four used on the moon during three missions of the A Apollo programme (15, could carry one or two with their equipment are A circuit is a complete which electricity can flow include a source of election abattery. The wheel and axle rot allow the transfer of for load. A chassis is the base of carriage, or other wheelectricity can flow the transfer of for load. 	wheeled rovering the last merican 16 and 17). It astronauts ind samples. Dath around w. It must ctricity such as ate together to ce to move a fa car,	 Axle - a rod which passes through the centre of a wheel (fixed or rotating) Chassis - a load bearing frame Dowel - a cylindrical rod Mechanism - a system that transforms input forces and movement into a desired output forces/movement. Motor - a machine that gives power for another device with moving parts. Component - a part of a machine or vehicle. Prototype - a model that designers generate ideas from. Annotated diagram - a descriptive diagram which highlights specific features. 	
Design, make, evaluate			

- 1. Respond to the question 'what is a Lunar Rover', draw annotated diagrams.
- 2. Build a prototype using identified features and create an annotated diagram.
- 3. Design following criteria.
- 4. Make applying skills.
- 5. Evaluate against design criteria. Does your Lunar Rover incorporate all features; is it a moving vehicle using an electrical circuit?

Skills

- Cut materials with precision.
- Finish with appropriate tools, such as sandpaper.
- Create a circuit that employs a number of components including a motor.