



St Leo's and Southmead
Catholic Nursery and Primary
School

Year
Two

Design Technology Knowledge Organiser

Spring
Term

Amazing Activities

To watch recorded footage of moon buggies used during the first lunar landing.



first lunar landing.

Key Concepts

- There are many different types of vehicles.
- Vehicles can be used for different purposes.
- A vehicle is made up of different parts. These include a chassis, wheels, axle and steering wheel.
- Use labelled drawings to record features upon existing vehicles and their purpose.
- Designs can be created after exploring existing vehicles and using a design criteria.
- To measure, draw and cut materials needed to make different parts.
- Materials can be joined together using different tools and methods to create a vehicle.
- Evaluate a product created against a design criteria.

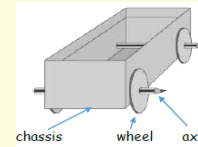


MOON BUGGY

Skills

To design a moon buggy based upon a design criteria.

To choose appropriate materials and tools from a wide range available needed to construct a moon buggy.



To mark out, cut and attach materials to construct a moon buggy.

To use wheels and axels within their moon buggy.

To evaluate designs and moon buggies created describing likes and dislikes and areas for improvement.

Curriculum Links

Literacy Link: Opportunities for the children to use books and websites to research.

Computing Link: Opportunities for the children to use the internet to research information on the moon buggies.

History Technology Link: The children will learn about the moon buggy used during the first lunar landing.



Key Vocabulary

Key Vocabulary	Definition
Axle	An axle is a rod around which a wheel moves or rotates
Astronaut	A person who is trained to travel in space
Chassis	A chassis is the main vehicle frame, also known as its supporting structure to which all other components are attached
Commander	The name given to the person in charge
Lunar Module	a space vehicle module designed to carry astronauts from the command module to the surface of the moon and back
Moon	A natural satellite which orbits Earth or other planets
NASA	NASA stands for National Aeronautics and Space Administration. NASA was started on October 1, 1958, as a part of the United States government
Surface	The top layer of something. The moon has a rocky surface
Wheel	A circular object that revolves on an axle and is fixed below a vehicle to enable it to move easily over the ground