Unit 4 Transport **Year 2** **Term 1**

Purpose of Unit

In this unit, children learn about wheels and axles and how to use them when making a wheeled vehicle for a specific purpose. They will be encouraged to develop their ideas by investigating vehicles in the world around them. e.g. *fire-engine, milk float, ambulance, pram, wheelbarrows, lorries,buses*

Key Skills

Literacy
Children will be encouraged to talk about their ideas and designs. They will be taught appropriate vocabulary e.g. *wheel, axle, chassis, body, cab.*

Numeracy

Children will measure using standard and non-standard measurements. They will develop their mathematical vocabulary by using such words as – *long, short, more, less,*

ICT
Children might gather information to support their investigative work from CDRoms or from the Internet. Decoration for the vehicle can be designed on a computer using a graphics package.

Pupils will

- have discovered that there are many types of vehicles and they are designed for different purposes;
- have been taught to use wheels and axles;
- have identified a purpose for what they intend to design and make;
- have designed and made a vehicle;
- have evaluated their vehicle against design criteria.

Common Requirements

There is a particular emphasis on the development of Problem-Solving skills. The research and investigation should make significant impact on the design and make activity.

Health and safety

Care should be taken when using tools such as hole punches, junior hacksaws and other cutting tools.