

This term's Big Question:

As Designers, how can we design, make and test a car to ensure it is safe and effective?

PSHE / SMSC/ British Values/ RSE:

Looking after our bodies, futures and concentrating on our own well-being.

Business/Careers links: designer, engineer, carpenter, sales person

PE

PE will be on a Monday and Wednesday
Children will be learning dance and dodgeball.

Maths - Money, statistics and measure

Key facts:

Perimeter is the distance around a flat object.

There are 10 mm in 1 cm.

There 100cm in 1m

There are 100 pennies in one pound.

Charts and table are used to measure data.

Key vocabulary:

Perimeter

Measure

Length

Statistics

Tally

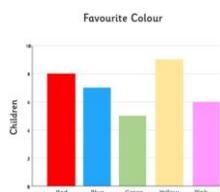
Bar chart

Data

Centimetres

Pounds

Pence



Overview

In this topic, we will be learning about car safety and how to build a car using different DT techniques. Once we have created a car, we will be using the car to find out about forces and how they can impact the movement of a car.

Trips, visits and events

Visitors from car companies
World book day (24.02)

Harriers Banbury Academy

Year 3 knowledge organiser - Term 4

Aspiration: Heroes

English

Key text: The Iron Man by Ted Hughes

Poetry: Poems to Perform

SPAG: Adverbs, prepositions, word classes and conjunctions.

Key facts:

Writing is split into paragraphs to show how information is grouped together.

When reading a text, expression and intonation is important.

Poems often rhyme and use repetition.

Prepositions tell you where or when something is in relation to something else.

Key vocabulary:

Perform

Express

Metaphors and similes

Prepositions



Spanish

Key vocabulary

Si, No, Mi estuche, La regla, El sacapuntas, La goma, El libro.

ATL: Science and DT

Key facts:

On a magnet there is a North and South pole.

Magnets repel and attract.

Friction is resistance between surfaces and objects.

A lot of forces impact the movement of a car.

Cars have to pass a safety check before they can be driven.

A saw is used to cut wood.

Key vocabulary:

Manufacture

Forces

Magnets

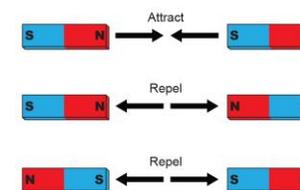
Repel

Friction

Design

Saw

Safety



Computing

Key facts:

A spreadsheet can be used to record and evaluate information.

Key vocabulary:

Spreadsheet

Data

Sum

	A	B	C
1	Running Costs for the Theme Park for One Day		
2			
3	Item	Staff Costs per Day	Electricity/Maintenance/Repairs
4	Roller Coaster	40	50
5	Ride	30	30
6	Cafe/Shop/Ice Cream Stand	20	20
7	Toilets	5	5
8	Bins	4.5	0.75
9	Trees	0.25	0