

Maths focus: Decimals and measuring

Children will use a protractor for the first time to measure angles.

We will convert between different metric units of measurement including km to m and ml to litres. This will include decimals amounts, 5.65kg is the same as 5650g.

Finally, children will consolidate year 4 learning on plotting coordinates, reflecting and translating shapes on a grid.

Useful vocabulary:

water resistance, air resistance, friction, gears, pulleys, levers, current, voltage, volts, conductor, drive belt, gearing up or down, mechanical system, driver, follower, motor.

Science: Forces that oppose motion

Pupils will explore how and why things move. They will investigate water resistance, air resistance and friction.

Science: Controlling electrical circuits:

Pupils will learn how a power supply pushes a current around a circuit. They will investigate and measure the results of changing variables in a circuit and develop an understanding of current, voltage, conductors and resistance.

DT: Pulleys and gears

Pupils will design, make and evaluate a scale model fairground ride., using pulleys, powered by a motor, to create a movement that 's programmed by a Crumble.

Computer Science: Programming

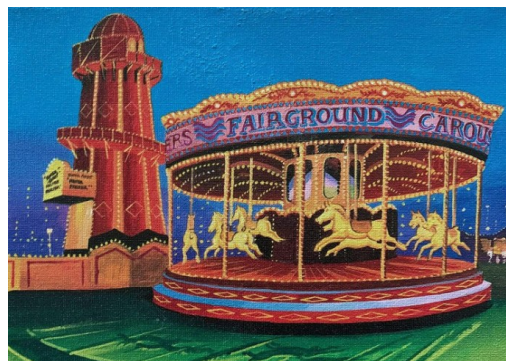
Pupils will be introduced to conditions as a means of controlling the flow of actions and make use of their knowledge of repetition and conditions when introduced to the concept of selection (through the if, then structure).

Art: We will be exploring Romany Art and fairground artist, Amy Godwin.

DO WE VALUE SCIENCE OVER CREATIVITY?

Key concepts: — creativity and design

Year 5 - Beech Class Summer Term Roots to Learning



Diary Dates:

Tile Barn—Wednesday 22nd April—Friday 24th April

Paultons Park—Wednesday 13th May.

Sponsored Walk—Friday 15th May

English focus: Poetry, narrative writing & explanation text:

The Lost Words—Robert Macfarlane

How can we build atmosphere and mood in our writing?

Gravenhunger—Harriet Goodwin

How can we persuade and inform in an Estate Agency advert?

Mystery stories—Sherlock Holmes, Violet Veil Series

How can I show the personality of a character rather than tell?

HELP AT HOME: Encourage children to read and listen to a variety of texts. Talk about reading. Share reading.

PE: Children will learn greater control over the ball, thinking about positioning and which strokes to use. They will also practise key athletic skills ready for Sports Day.

Music: Children will learn to harmonise, singing in rounds as well harmonise with different melodies.

Computing: Health, Well-being and Lifestyle Pupils will evaluate how technology can affect sleep. They will look at the benefits and risks of looking up health information online. Online privacy, security and copyright.

PSHE: Healthy sleep habits, sun safety, medicines, vaccinations, immunisations and allergies.

French with Mrs Donald: The children will learn about farm animals and pets whilst consolidating their knowledge of verbs, adjectives and connectives as well

Suggested reads/websites:

<https://www.bbc.co.uk/teach/class-clips-video/science-ks2-mechanisms/zfhr96f>

BBC Bitesize—electricity

Visit an old-fashioned fairground or steam fair.