

Woodpecker Hall Academy Learning Web: Year 4 Spring 2

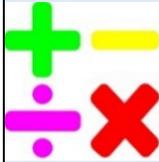
Buzzers, Bulbs and Batteries



This half term, the children will be exploring electrical circuits. They will create a circuit so a bulb lights up and explore how changes can affect the circuit.

Key Dates:

Maths



Addition and subtraction – To become fluent in my number bonds to 10, 20 and 100.

-To solve a range of problems linked to number bonds.

Fractions and Decimals- To add and subtract fractions with the same denominator, solve problems involving fractions, recognise and write decimal equivalents for tenths and hundredths. Round

decimals with one decimal place to the nearest whole number, compare numbers with up to two decimal places, and solve simple measurement and money problems involving fractions and decimals.

Measurement - Measure and calculate the perimeter of 2D shapes in centimetres and metres and find their area by counting squares.

Statistics -Interpret and present data using appropriate graphical methods, including bar charts and time graphs

English

Fiction: Imagination generation – children will create a five-part story, where they create their own setting and characters based on a mystery box.

Non-fiction – Balanced Argument – Should children have to wear school uniform? Writing arguments for and against, remaining neutral throughout.

Grammar features

-Expanded noun phrases (adjective, adjective noun prepositional phrase)

-Using subordinating conjunctions (when, if, because, since, although and even though)

-Using fronted adverbials, followed by a comma.

-Using inverted commas to show speech.

-Past tense

-Polarographs

Music - Guitar

To read musical notation.

To perform a piece using open strings (E B G D).

To identify notes of different duration (crotchets, minims).

To develop a range of pieces using open and fingered strings.

To identify notes of different duration.



PHSE: Healthy Me



- Learn how friendship groups are made and how we fit in, understand the different roles in a group, and recognise how peer pressure feels while learning about the dangers of smoking and alcohol.

Physical Education



PE – Outdoor – Tennis

- To practice handling a ball with a racket.

- To develop forehand and backhand shot

- Reacting to the ball direction and positioning ready for the shot

PE- Indoor – Dance

- To perform a range of Zumba actions and agilities with consistency and fluency

- To be able to compose a small Zumba routine with partner.

Spanish



- To review places around school.

- To tell the time (o'clock).

- To interpret a timetable to the hour.

- To identify places in town.

Art

- To explore the work of Giorgio Morandi.

- To use careful observation to draw simple objects with accurate proportions and contour lines.

-To explore how different pencil hardness and pressure create a range of tones from light to dark.

DT – Create an electrical toy

-Evaluate existing products.

-Design my toy: explain my choices of tools and equipment.

-Make and evaluate new toy.

History curriculum opportunity

-Order historical timeline of events which have been taught from reception to year 4.

Geography curriculum opportunity

-Explore Lines of Latitude and Longitude

-identify major lines of latitude and longitude

Science

-To explore what electricity is. Where do we use it? Why do we use it?

-Children to explore how to make a bulb light by using setting up a circuit.

-Children to create a circuit and make changes to it to investigate the effect of:

· Disconnecting a wire

· Using a higher voltage cell /adding another cell

· Connecting both ends of a wire to the same terminal of a bulb

· Adding another bulb

· Connecting the positive end of a cell to the positive end of a cell