

Year 6 Newsletter Autumn 2

Mathematics

Addition, subtraction, multiplication and division (4 weeks continued from Autumn 1)

Children will learn to:

- multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication
- divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context
- divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context
- perform mental calculations, including with mixed operations and large numbers
- identify common factors, common multiples and prime numbers
- use their knowledge of the order of operations to carry out calculations involving the 4 operations
- solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
- solve problems involving addition, subtraction, multiplication and division
- use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy

Statistics (1 week)

Children will learn to:

- interpret and construct pie charts and line graphs and use these to solve problems
- calculate and interpret the mean as an average

Geometry - properties of shapes

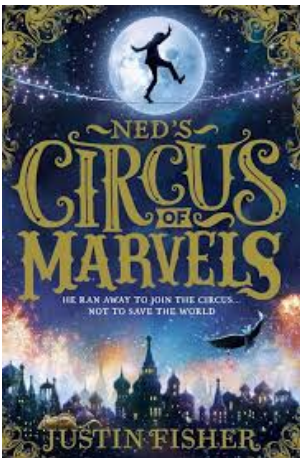
Children will learn to:

- draw 2-D shapes using given dimensions and angles
- recognise, describe and build simple 3-D shapes, including making nets
- compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons
- illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius

- recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles

English

Ned's Circus of Marvels by Justin Fisher



Writing outcomes: letter writing, a narrative (retelling the story), a non-chronological report

Science

In science this half term we will be learning about electricity and answering the question:

How do you make a burglar alarm?

Children will learn to:

- associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
- compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches
- use recognised symbols when representing a simple circuit in a diagram.

DT

This half term we will be doing cooking and nutrition. The children will be designing, making and evaluating their own healthy pasta dish.

Children will be taught to:

- Know and use technical vocabulary
- Understand and apply the principles of a healthy and varied diet
- Know where and how ingredients are grown, reared, caught
- Evaluate nutritional value of food
- Understand and apply the principles of a healthy and varied diet
- Design appealing products for a particular user based on design criteria.
- Know and apply the importance of working hygienically
- Select and prepare foods for a particular purpose
- Use a range of cooking techniques to cook a widening range of ingredients hygienically using appropriate utensils
- Measure accurately to the nearest gram
- To measure accurately to the nearest gram and calculate ratios of ingredients to scale up or down from a recipe
- Use the bridge and claw grip on the same food item using a serrated vegetable knife
- Be able to dice and cut foods into evenly sized small pieces.
- Evaluate ideas and finished products against design criteria, including intended user and purpose.

Geography

This half term, children will be exploring the question, "Should we stop mining natural resources?". They will learn what a natural resource is, the difference between renewable and non-renewable energy and discussing the pros and cons of using these types of energy.

PSHE

Our PSHE unit is called Celebrating Difference and the children will learn:

- To understand there are different perceptions about what normal means
- To empathise with people who are different
- To understand how being different could affect someone's life
- To be aware of attitudes towards people who are different to ourselves
- To explain some of the ways in which one person or a group can have power over another
- To think about how it can feel to be excluded or treated badly by being different in some way
- To understand some of the reasons why people use bullying behaviours
- To be able to appreciate people for who they are
- To explain ways in which difference can be a source of conflict and a cause for celebration

R.E

What qualities are important to present day religious leaders?

- Explain the roles and duties of religious leaders in several religions, including examples in both religious and secular communities. Comment on the role of religious leaders in UK government and worldwide politics
- Write a job description for a religious leader and compare it with another religion
- Critically evaluate the role of more than one religious leader in the world

Computing

Web page creation

Learners will be introduced to creating websites for a chosen purpose. Learners identify what makes a good web page and use this information to design and evaluate their own website using Google Sites. Throughout the process, learners pay specific attention to copyright, fair use of media and creative commons, the aesthetics of the site, and navigation paths. This will enable the learners to understand how to be a respectful and responsible user of technology online.

Music

Can we explore Classical Theme and Variation music?

Listening: Young Person's Guide to The Orchestra, Benjamin Britten (Theme by Purcell)

Composing/Performing: A theme and variation.

Experience: Performing Christmas Songs in a Show to parents

Building on: Y5 Aut 2

Leading to: Y6 Sum 1

Rationale: Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians

P.E

Fitness

Tennis

French

French football champions

Developing and practising language learning strategies, developing reading, speaking and listening skills, responding to questions about footballers.

Key dates

Anti bullying week workshop - (Thurs 13th Nov)
School closed (Occasional day) - (Mon 24th Nov)

Juniper Into University focus week - **Monday 17th- Friday 21st November**

P.E every Tuesday

How to support your child at home with their learning this half term...

Children should be reading every day for a minimum of 20 minutes.

Children have been given some CGP revision guides for their homework. Their teacher will inform them which pages to complete each week. There will also be weekly spelling tests. Children need to practice these words and learn the meanings of them.