

Numeracy**Addition & Subtraction**

Children will work within their capabilities

(10,000 or 100,000 or 1,000,000 or beyond)

- I can use formal written algorithms for addition and subtraction with whole numbers from 0 to 10 000.
- I can choose an appropriate strategy to answer a question or solve a problem.
- I can use the expanded method of addition and subtraction, supported by concrete materials, with whole numbers from 0 to 10000.

Multiplication & Division

Children will work within their capabilities

(10,000 or 100,000 or 1,000,000 or beyond)

- I can use known relationships between multiplication and division to find multiples and factor pairs for a given whole number.
- I can use repeated addition, subtraction, doubles and other part whole strategies to identify multiples, outwith tables.
- I can multiply and divide whole numbers by multiples of 10 and 100
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- I can use the grid method to multiply 2 digit whole numbers by 2 digit whole numbers e.g. 72×38
- I can use mental strategies to multiply 2 digit multiples of ten by multiples of ten, for example 50×30 .
- I understand the distributive law and can split numbers to solve multiplication calculations.
- I can use mental strategies to divide up to three digit numbers by multiples of ten, for example $360 \div 30$.

Measure

- I can use my knowledge of tables facts to calculate the area of squares and rectangles in m squared, mm squared and cm squared, given the lengths of the sides.
- I can measure the sides of squares and rectangles accurately and use my measurements to calculate the area.
- I have explored how to calculate volume using practical materials.
- I use a problem-solving process to demonstrate and understanding of conservation of area, volume, capacity and mass.

Properties of 2D Shapes & 3D Objects

- I can recognise and name a range of 2D shapes including regular and irregular polygons using language such as side, angle and diagonal.
- I can recognise and name triangles e.g. equilateral, right-angled and scalene.
- I can describe pyramids, cones, cylinders using specific vocabulary – vertex, vertices, face, edge.
- I can use the above knowledge of 2D shape and 3D objects to identify them within the environment.
- I can construct a range of objects from their nets e.g. pyramids, cones, cylinders.
- I can identify a range of objects from their nets e.g. pyramids, cones, cylinders.
- I can identify the parts of a circle including the terms radius, diameter and circumference.
- I can use a ruler to draw isosceles triangle and mark on equal sides.
- I can draw cubes, cuboids, square based pyramids, cones, cylinders.

Literacy**Reading**

Reading will be carried out in groups with each group focusing on its own novel.

- Children will continue to focus on a reading strategy each week (making connections, predictions, monitoring, questioning, summarising, visualising) and complete follow up tasks based on the strategy.
- Children will have their own personal reader which they can read at home and in class for enjoyment and fluency.
- Children will take part in whole class reading time for 7 minutes twice a day.

Spelling

Spelling will focus on developing and consolidating children's knowledge of phonemes and the different grapheme representations. Learning will also involve, spelling rules and growing words by adding suffixes and prefixes. In class, children will be supported to generate word lists, with spelling lists being given appropriately for practice.

Handwriting

Pupils will continue practice their handwriting using the Kaligo programme. Kaligo will help the children to improve their letter formation, presentation of work as well as aid their spelling.

Writing

Children will write in various formats linked to their Earth & Beyond topic and Enterprise.

- By considering the type of text I am creating, I can select ideas and relevant information, organise these in an appropriate way for my purpose and use suitable vocabulary for my audience.
- I can convey information, describe events, explain processes or combine ideas in different ways.
- Throughout the writing process, I can check that my writing makes sense and meets its purpose.
- I can consider the impact that layout and presentation will have and can combine lettering, graphics and other features to engage my reader.

Health and Wellbeing

In PE, Mrs Cruickshank will focus on net games. These skills will include problem solving & focus/concentration, determination and resilience, stamina, rhythm & timing, kinaesthetic awareness.

Bounce Back will be used to focus on relationships. The lessons will focus on listening & conversation, managing friendships and dealing with disagreements.

Context for Learning

A mini-Enterprise (and crafts) context will allow the children will develop valuable enterprise skills such as decision making, problem solving, communication, creativity and working cooperatively.

Pupils will continue with Earth & Beyond as the context for learning. There will be a focus on the pupil's key questions:

- How does space keep expanding?
 - What are black holes? What do they do?
 - How do magnets repel each other?
 - How does gravity work?
 - Why are there plates in the earth?
 - How likely is it that aliens are going to come to earth?
 - What are forces?
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- Predicts and then investigates how a force can make an object change speed, direction or shape, and uses vocabulary such as pushing, pulling, stretching, squashing and twisting to describe forces.
 - Investigates balanced forces and explains that if a push and pull are equal in strength and opposite in direction then there is no change in movement.
 - Reports in writing, visually, orally how magnets exert a non-contact force on each other and attract certain materials. Demonstrates through practical activities that like poles repel and opposite poles attract.
 - Measures gravitational force with a force meter or newton meter and records results using appropriate units (newtons).
 - Explains how some objects may become electrically charged by rubbing two surfaces together and how the charges produce an electrostatic force.
 - Investigates and demonstrates understanding that magnetic and electrostatic forces can both repel and attract.
 - Describes practical applications of magnetic, electrostatic and gravitational forces, for example, magnetised needle in a compass.

Expressive Arts

Our annual Christmas Show will give the children the opportunity to experience the energy and excitement of performing for an audience, adopting a role, presenting a script whilst enhancing their digital skills.

1 + 2 Modern Languages

Pupils will continue to use French language as part of their daily routines. Pupils will learn how to have conversations in French and use new vocabulary based on food, shopping and money.