

Numeracy

This term, the Year 5s will be working together as individuals, pairs and as a group to share their learning skills, such as: remembering, understanding, applying and evaluating. There will be a focus on explaining our maths thinking in our use of 'thought bubbles' and conversations.

Excitingly, the maths will be taught through context to add meaning and relevance. Moreover, we will be extending our knowledge and understanding from the autumn term: number sense, additive and multiplicative reasoning and geometric reasoning. Our main aims are to:

- Read and write numbers up to 1,000,000 and determine the value of each digit.
- Multiply and divide whole numbers and decimals by 10, 100, and 1,000.
- Round any number up to 1 000 000 to the nearest 10, 100, 1,000, 10,000 and 100,000.
- Add and subtract numbers with more than 4 digits using formal written methods (column addition and subtraction).
- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.
- Compare and order fractions whose denominators are all multiples of the same number.
- Multiply and divide numbers up to 4 digits by a one-digit number using a formal written method.
- Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angle.

Art

- To develop sketch books to review and refer to.
- To explore the great artist from the Peter Thorpe and Michael Kaygen.
- To create 3D art of robots.

Science

We will be focusing on becoming **scientific investigators**, using a range of scientific enquiries in the classroom and outdoors to develop scientific skills (predicting, observing, recording, analysing and explaining).

Year 5 – Topic Web (SRING 1 - 2018)

★WOW experience★

- **Planetarium visit** – what does it look like to be in space?

- 'Woolacombe in SPACE' (whole school project to release a balloon to ascend into the atmosphere to track use and data).

★Skills building★

This term we're enriching our learning power in class and at home by focusing on key skills that underpin how we learn, such as: remembering, understanding, applying, analysing, creating and evaluating.

Space and the rise of the robots

- ❖ Are we alone?
- ❖ How big is space?
- ❖ Tim Peake, Katherine Johnson or Galileo?
- ❖ How could a robot contribute to your life?



P.E.

This term we are going to be practising our skills in gymnastics, handball, football, kwik cricket, tag rugby and tennis!

Music

- Learn, appreciate and compose music inspired by the BBC Ten Pieces, e.g. 'Mars'.
- Analyse the history of 'The Planets' and develop an understanding of the perception of the planets has changed.
- Rehearsing Easter celebration songs for our traditional service.

RE and SMSC

Developing understanding about the BIG IDEAS, such as:

- What is important to me?
- What is a belief?
- What is faith?
- What is a parable?
- How do Christians show their faith?

Geography

- To develop an understanding of the **physical geography** that determines the perfect launch site for releasing a space balloon.
- To predict and evaluate the **topographical features** of our **local area and counties** in the context of Great Britain.
- To understand and read the **longitude and latitude position** on a map.
- To use **key geographical and field skills to map and locate** the Space Balloon Project.

Key questions:

- **Is Woolacombe an ideal launch site for our project?**
- **Where do you predict our space balloon will land?**
- **Field, Atlantic Ocean, road or garden; where will our balloon land?**

Literacy

Poetry – To use imagery, music and Tanka poetry to build a performance poem based on Gustav Holst's 'The Planets'. Here we will build on our skills in identifying how language and structure can inform meaning and learning poetry by heart. We will be sending our poems to physicist Professor Brian Cox.

Journalistic Writing – We will use our 'Woolacombe in Space' balloon project as a stimulus to build our journalistic writing skills to report this exciting WOW experience. The **BIG IDEA** for this is to send our newspaper reports to national newspapers!

Narrative Writing – This term our narrative writing is going to be inspired by the 1970's space mission Apollo 13. We will be using this to build our writing skills in creating tension for our reader.

Computing

How to keep safe online.

To use ICT to communicate and share ideas with a group.

- To use a range of hardware and software tools to create and record ideas for understanding or to present to a group, e.g. iPad, netbook and video camera.
- To learn how to share ideas using power point and Book Creator