

## Science - Earth and Space

As scientists, we will learn about

- the relative sizes and distances apart of the Earth, Moon and Sun
- how the Moon moves relative to the Earth
- the Earth's rotation to explain day and night
- the planets of our solar system

We will develop scientific skills:

- learn about and use models to explain our ideas
- use complex scientific language to describe our ideas
- Use and analyse data to understand patterns

PE - we will continue to apply and develop a broader range of skills including: communication, collaboration and competition to ensure that we improve in different physical activities including:

- **Weekly Football sessions** where we will perform dribbling and passing skills with accuracy, confidence and control, and develop a broader range of techniques for attacking and defending which we will apply to game situations
- Weekly strength and conditioning sessions which will complement our football sessions and help to improve our performance and reduce risk of injury.

## Geography

As geographers, we will learn about:

- Using symbols and keys (including the use of Ordnance survey maps) to build knowledge of the UK and identify landmarks.
- Using the eight points of a compass to describe routes on a map
- Using four and six figure grid references to locate places on a map and to plan a route
- Using scales on maps to calculate distances between locations both 'as the crow flies' and the actual route

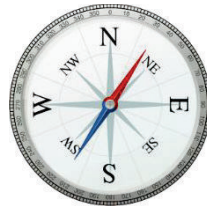
We will develop our geographical skills by:

- Visiting Derwent Reservoir to carry out geocaching activities and fieldwork skills
- Using maps and atlases to describe features in the local area
- Using fieldwork to observe and present human and physical features in the local area
- Programming GPS devices to create a route in the local area
- Reading a compass and identifying the direction of travel

## Cross Curricular English

As writers, we will develop our ability to communicate our ideas on paper, using correct grammar, punctuation and spelling, through:

- Instructions for geocaching and using 6-figure grid references on an OS map
- Using evidence to support scientific concepts about the Earth and the Solar System



# Marvellous Maps

## Years 5 & 6 Autumn 1 2019

## Social, Moral, Spiritual and Cultural Education

### Being Me in My World:

To be the best citizens and learners we can be, we will be learning

- How to face new challenges positively and know how to set personal goals
- To understand our rights and responsibilities as a British citizen
- To understand how an individual's behaviour can impact on a group
- How democracy and having a voice benefits the school community and how to participate in expressing our voice.

Health and Wellbeing- As part of our curriculum we will be participating in a drama workshop during national Mental Health Awareness week.

## Art and Design - Sea monsters

As artists, we will use the experiences of the first explorers and sailors to create an atmospheric picture. We will develop artistic skills in colour, form and texture:

- Develop an understanding of how to control paint when creating a colour wash
- Use different techniques with different paint textures to build up layers of colour
- Develop cutting skills and control scissors with precision

## Computing - E-safety

As technology experts, we will be developing our computing skills by learning how to:

- Stay safe online by following the SMART rules and understand which information must be kept private.
- Recognise acceptable and unacceptable behaviour online and know a range of ways to report concerns.
- Check to see if a website or search is reliable and be discerning in evaluating digital content.
- Use search technologies effectively.
- Understand how search results are selected and ranked.