



Geography

Comparing local region
to Western USA



Year 5

Autumn 1

During Autumn 1 pupils in Year 5 will be learning about:

Hook: Space Dome – University of Southampton

Trip: Winchester Science Centre

Visitors: Black Hole poetry workshop– University
of Southampton

Science

Earth and space

Computing

Systems and searching

Art

Drawing and painting–
Georgia O'Keefe

PSHE

Peer pressure and smoking

French

France and greetings

P.E

Gymnastics

R.E

Risalah (message)- *Islam*

Maths

Place Value
Rounding, ordering num-
bers, greater than, less
than

Games

Football

English

Book: Stormbreaker

Journalistic writing

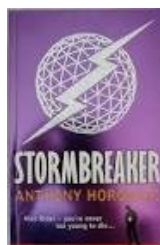
Narrative writing

English - Stormbreaker

Pupils will explore *Stormbreaker* by Anthony Horowitz as a stimulus for journalistic writing. They will identify key features of journalistic writing, including headlines, bylines, the 5Ws, formal language, reported speech and clear paragraphing.

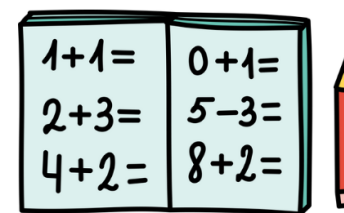
Through investigating events from the novel, pupils will develop skills in note-taking, selecting relevant information, distinguishing fact from opinion and organising ideas effectively.

The unit will culminate in pupils writing their own report based on a key event from *Stormbreaker*, focusing on audience, purpose, structure, vocabulary and accurate punctuation.



Maths - Place Value, Addition and Subtraction

In this half term, the children will build upon their prior knowledge of number and look at place value for numbers up to 1,000,000. Then we will explore rounding numbers within a million. For addition and subtraction, the children will use their formal methods to add and subtract numbers with more than four digits. This will also be solving problems including multi-step word problems.



PSHE - Peer Pressure and Smoking

This unit teaches children why it is important to recognise who they can trust and who they should not trust. It moves on to explore strategies that children can use to identify and make judgement of when a friendship is making them feel unhappy or uncomfortable. Through discussions, children explore characteristics of friendships include such as mutual respect, truthfulness, trustworthiness, loyalty, kindness, generosity, trust, sharing interests/experiences and support with problems/difficulties. This unit moves on to explore, what smoking is before developing their understanding of the risks are associated with legal and illegal harmful substances, including: smoking and the impact that smoking can on your immediate and future health and well-being.



R.E - Risalah (message) - Islam

The children learn what Risalah means (message) and investigate important messages which have been revealed in religion/history.

The children learn how the Qur'an was divinely revealed.

Then they investigate and respond to others' answers about the value of Risalah for Muslims and people of no/other faith.

Science—Earth and Space

During this unit of work, children will learn that the Earth is part of the solar system and that the Sun is at the centre of that system. They will learn the names of the other planets (based on their distance from the Sun) and be able to describe the movement of Earth (and other planets) in relation to the Sun. Children will discover why there is day and night on Earth and relate this to time. They will plan an investigation to answer the question - what happens to the Sun during the daytime? Children will also gain an understanding of the phases of the Moon and be able to describe the Moon's movement in relation to the Earth.



Geography—Western USA to my local area

In this unit, children will recap the key human and physical features of their region in England. Children will discover the different countries and capital cities of North America and then focus on specifically the Western United States. Children will learn the human and physical features of the Western United States including biomes, climate zones, vegetation belts, earthquakes and volcanoes. Children will learn about the physical processes of rivers, mountains and the water cycle and apply this to their region and the Western United States.



French— France and Greetings

This topic is about going over French greetings that the children have learnt lower down the school. They are reminded of what French culture is like and begin to converse with their peers to ask them how they are.



Art—Pastels (Georgia O'Keefe)

The unit starts with an observational draw. The children then look at the work and life of the artist Georgia O'Keefe. Using this inspiration the children then experiment with oil pastel techniques before using this in their final piece of work.(Flower study)



Computing— Computer systems and searching

In this unit, learners develop their understanding of computer systems and how information is transferred between systems and devices. They explain the input, output, and process aspects of a variety of different real-world systems. Learners also discover how information is found on the World Wide Web, through learning how search engines work (including how they select and rank results) and what influences searching, and through comparing different search engines.



Games—Football

Football is an invasion game. In this unit pupils develop their understanding of the attacking and defending principles of invasion games. In all games activities, pupils have to think about how they use skills, strategies and tactics to outwit the opposition. In football pupils do this by maintaining possession and moving the ball towards goal to score. Lesson one recaps passing but progresses on to varying distances and moving onto the ball. The children then will look at dribbling with different speeds and directions followed by shooting from different distances and being on the move. Children will recap defending as well as learning the standing tackle. In the matches they will look at how to outwit an opponent and how to give themselves the best chance of scoring.



Music—Singing

In this unit, children will compose body percussion patterns to accompany a sea shanty. Then they will write these out using rhythm grids before singing a sea shanty expressively, with accurate pitch and a strong beat. They will sing in unison while playing an instrumental beat (untuned) and keep the beat playing a 'cup' game. We will also discuss the purpose of sea shanties and describe some of the features using music vocabulary



PE—Gymnastics

This unit looks at gymnastics and the key concepts of balancing, rolling and jumping. The first lesson introduces the children to two different types of balancing, whilst lesson two focuses on developing their rolls. In lesson three they combine their rolls with jumping movements and in lesson four explore ways of travelling and linking actions together. Children will also evaluate w to improve.



Fun activities to try at home

Science—Earth and Space

There are lots of different activities that your child can do at home to learn about space!

You could try:

- Create a 3D model of our solar system—use papier mache or junk modelling!
- Use different materials to make parachutes– can you drop an egg safely?! Send a video of your attempt to info@ludlowjunior.org.uk!
- Create the moon phases on plastic tumblers: <https://happytotshelf.com/moon-phases-learning-toy/>
- Using cupboard staples, make fizzy moon rocks: <https://littlebinsforlittlehands.com/fizzing-moon-rocks-activity/>

Key vocabulary to use with your child:

Planet, solar system, space, orbit, sphere, spherical, astronomer, astronaut, rotate, axis



Geography— comparing our region to Western USA

Here are some ideas of activities children may like to try at home to further develop their learning about our topic:

- Research the South East of England and create a poster, leaflet or powerpoint presentation on your findings! What can you find out about the landscape, terrain and human features?
- Research what life is like in Western USA and create a poster, powerpoint presentation or leaflet about your findings! You could look at the climate, landscape and human features
- Have a look at <https://www.sciencebuddies.org/blog/teach-water-cycle-lessons> to learn about the water cycle in fun and engaging ways!

Key vocabulary to use with your child:

Climate, continent, biome, physical features, human features, water cycle, northern hemisphere, Northern America