



The Federation of Longhorsley St Helen's and Whalton C of E Schools

*Hope - Honesty - Forgiveness - Friendship - Trust - Love*



# Year 3/4 Learning Journey

## Autumn Term 2021

# Literacy

This term Year 3/4 will have time each week to work on handwriting, spelling, punctuation and grammar tasks. We will also complete weekly spelling tests and reading comprehension activities.

- I can write an imaginative story based on Levison Wood.
- I can write a syllabic poem about raging rivers.
- I can write a diary entry about spending the day with a Himalayan tribe.
- I can write instructions for how to make food found in the Jammu.
- I can write a non-chronological report about a natural disaster.
- I can write a letter about an experience in the Himalayas.

# Numeracy Y3/4

Our number and place value objectives:

- I can count in multiples of 6, 7, 9, 25 and 1000.
- I can find 1000 more or less than a given number.
- I can count backwards through zero to include negative numbers.
- I can recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).
- I can order and compare numbers beyond 1000.
- I can identify, represent and estimate numbers using different representations.
- I can round any number to the nearest 10, 100 or 1000.
- I can solve number and practical problems that involve all of the above and with increasingly large positive numbers.
- I can read Roman numerals to 100 (I to C).
- I can understand that that over time, the numeral system changed to include the concept of zero and place value.

# Numeracy Y3/4

Our mathematical operations objectives:

- I can add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.
- I can estimate and use inverse operations to check answers to a calculation.
- I can solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
- I can recall multiplication and division facts for multiplication tables up to  $12 \times 12$ .
- I can use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.
- I can recognise and use factor pairs and commutativity in mental calculations.
- I can multiply two-digit and three-digit numbers by a one-digit number using formal written layout.
- I can solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as  $n$  objects are connected to  $m$  objects.

# Science

## Living Things and their Habitats

- I can group living things found in Asia in a variety of ways.
- I can create and use classification keys to identify animals native to Asia.
- I can explain how humans have impacted on the environment and how this affects animals.
- I can study how changes to an environment can pose dangers to living things in Asia.

## Animals including Humans

- I can find out - what humans need to stay alive? Why is it important that Levison finds water and food?
- I can explain what happens to the food Levison eats, where does it go? - Studying the digestive system.
- I can compare how our teeth are different to the animals we're likely to meet in the Himalayas. Why are their teeth different to ours?
- I can explain what our teeth are made of and how to keep them healthy.
- I can discuss what a food chain is and 'what eats what' in the Himalayas?

## Investigations Animals, including Humans

- I can investigate what fizzy drinks do to tooth enamel, using egg shells.

# Computing

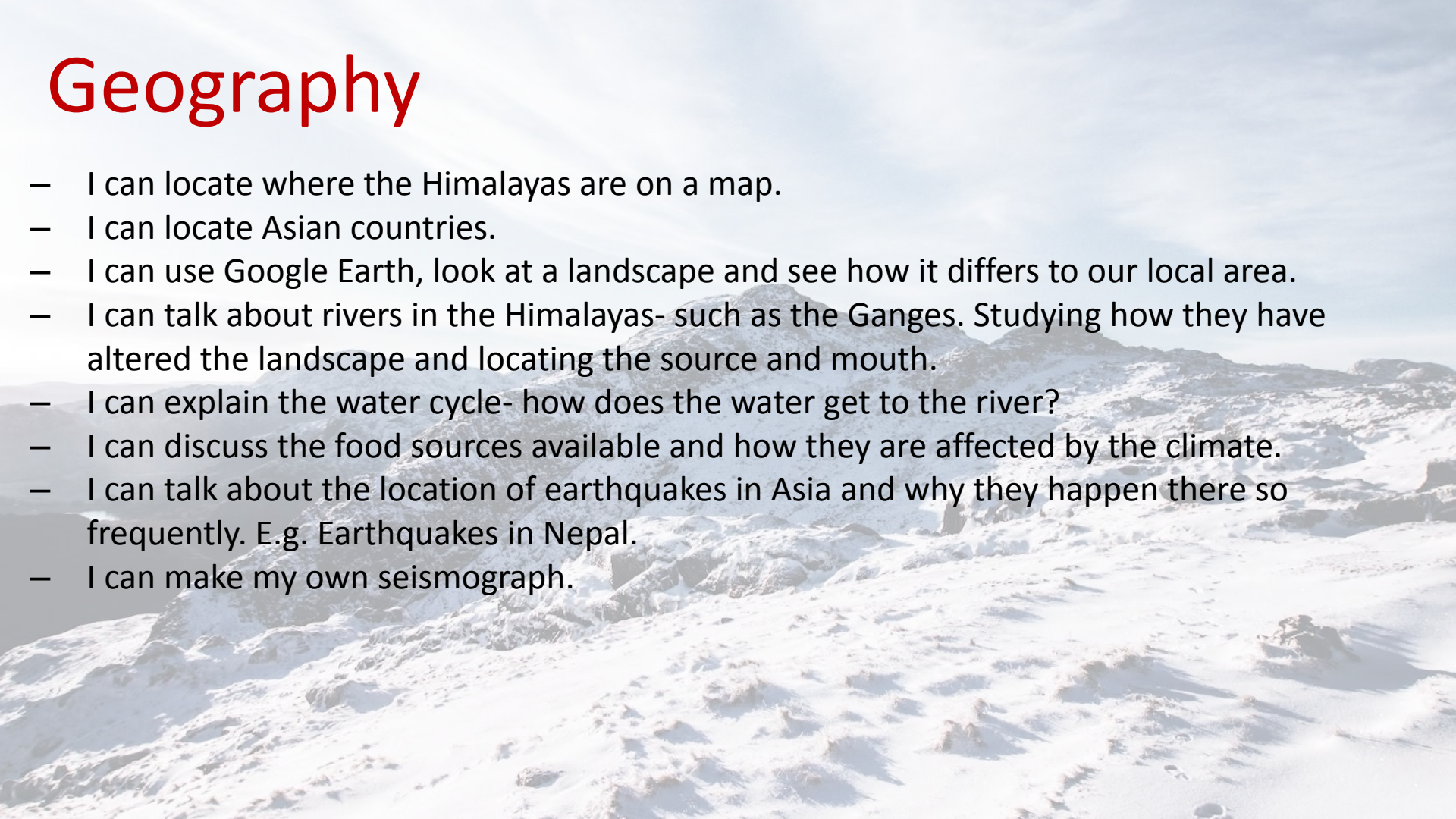
- I can recognise different connections.
- I can explain how messages are passed through multiple connections.
- I can discuss why we need a network switch.
  
- I can recognise that a computer network is made up of a number of devices.
- I can demonstrate how information can be passed between devices.
- I can explain the role of a switch, server, and wireless access point in a network.
  
- I can identify how devices in a network are connected with one another.
- I can identify networked devices around me.
- I can identify the benefits of computer networks.

# PSHE

- I understand that having a positive attitude is good for our mental health.
- I can recognise and manage positive and negative thoughts effectively.
- I understand that some changes can be difficult, but that there are things we can do to cope.
- I can use mindfulness techniques to keep calm.
- I can identify uncomfortable emotions and manage them effectively.
- I can apply a positive attitude towards learning and take on new challenges.

# Geography

- I can locate where the Himalayas are on a map.
- I can locate Asian countries.
- I can use Google Earth, look at a landscape and see how it differs to our local area.
- I can talk about rivers in the Himalayas- such as the Ganges. Studying how they have altered the landscape and locating the source and mouth.
- I can explain the water cycle- how does the water get to the river?
- I can discuss the food sources available and how they are affected by the climate.
- I can talk about the location of earthquakes in Asia and why they happen there so frequently. E.g. Earthquakes in Nepal.
- I can make my own seismograph.





# Art

## Sketching and drawing

- I can make a sketch of the local landscape and compare it to the Himalayas.

## Painting

- I can paint a river, focussing on blending colours to show the different tones of the river.
- I can study Himalayan artwork and use it as a basis for my own pieces of art.
- I can create art in the style of Andy Goldsworthy using natural resources.

## Sculpture

- I can research and make my own Himalayan art inspired sculptures from modelling clay.



# Design and Technology

- I can design a bridge structure.
- I can research similar structures to help with my design.
- I can design a tower construction that could withstand an earthquake!
- I can design a buggy which would be able to cross the terrain of the Himalayas.
  
- I can construct a bridge using my designs.
- I can build a buggy using a range of materials.
  
- I can evaluate my bridge and those of others.
- I can evaluate my buggy and those of others.
  
- I can discuss how food sources depend on the season.
- I can explain how food gets to our plates- studying where and how a variety of ingredients are grow, reared, caught and processed.

# Religious Education

- I can talk about the Christian belief of creation.
- I understand the implications of The Fall.
- I can explain how the people turned away from God.
- I can explain the Christian belief of incarnation and its impact on the faith.
- I can talk about the importance of the gospel.
- I can explain the importance of the salvation.
- I can discuss the impact of Jesus' teachings.

# History

- I can explain the spread of the Roman empire and recall key facts about the invasion of Britain.
- I can understand why the Romans built new roads in Britain, know where some of the main roads ran from and to and know how the roads were made.
- I can understand how the Roman empire affected different people and how they felt and reacted to the changes that were being made.
- I can describe who Emperor Hadrian was, say when, how and why he built a wall and explain the features of the wall.
- I can understand what the religious beliefs the Romans had and know about some of the gods and goddesses that they worshipped.
- I can explain what the Roman baths were and know about the different amenities they contained.

# Music

- I can listen and copy back using instruments, 2 notes, C and D.
- I can take it in turns to improvise using 2 notes, C and D.
- I can sing the song and improvise using voices and/or instruments within the song.