

Year Group: 6

Term: Autumn 1

Learning Challenge Title: Get me out of here! Humanities

- use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.
- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied
- use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world

Wow starter:	Orienteering
LC Questions: 1	What's a birds-eye view of your classroom like?
2	Can you put together a map of the immediate area around your school?
3	Can you use maps including compass directions to plan a route?
4	Why does Widnes exist?
5	From photographs of the immediate area can you paint a picture?
Writing Opportunities: Non Chron report. Instruction Writing.	

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Learning Challenge Title:	Living things in our School Habitats?	Science
<p>Science:</p> <ul style="list-style-type: none"> • Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals • Give reasons for classifying plants and animals based on specific characteristics. <p>Art:</p> <ul style="list-style-type: none"> • to create sketch books to record their observations and use them to review and revisit ideas 		
Wow starter:	School walk with classification.	
1	Can you classify a group of animals and plants you have selected?	
2	Can you draw classification keys for groups of animals or plants?	
3	Can you discover the special attributes that some animals and plants have to help them survive?	
4	Can they find out about the significance of the work of scientists such as Carl Linnaeus, a pioneer of classification?	
5	What are micro-organisms and how would you classify them?	
6	Can you design your own micro-organism?	
Writing Opportunities: Non Chron report. Biography of Carl Linnaeus/Edward Jenner		

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Term: Autumn 2

Learning Challenge Title: What would a journey through your body look like?

Curriculum focus: Science

NC Objectives:

- identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood
- recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function
- describe the ways in which nutrients and water are transported within animals, including humans.

Wow starter:

Run around field and observe what happens to their bodies

LC Questions: 1

What is a pulse and why do we have one?

2

Why can the heart be described as the most important pump we have?

3

What journey does your blood make everyday?

4

Can you carry out an investigation to show the impact of exercise on the body?

5

How does lifestyle impact how our body functions?

6

Who are the Medical pioneers involved with the circulatory system?

7

Put together a presentation which show the relationship between the heart, blood and breathing.

8

Writing Opportunities:

Explanation text – circulatory system. Biography.

Year Group: 6

Term: Autumn 2

Learning Challenge Title: Will you ever see the water you drink again? Humanities?

describe and understand key aspects of the water cycle	
<ul style="list-style-type: none">• understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]• play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression	
Wow starter:	<i>Show clips of extreme outcomes involving water, eg, waves crashing, rainstorm, waterfall, flood etc.</i>
LC Questions: 1	How does rainwater form in the first place?
2	Why do some places go for a long time without rain and others have too much rain?
3	How is water used to help provide energy to many places?
4	Can you create a moving toy that requires water to power it?
5	What happens to the water in our home once it disappears down the sink?
6	Which music is associated with water and can you create your own?
Writing Opportunities: Explanation. Narrative.	