

Year Group: 6

Term: Autumn 1

Learning Challenge Title: Get me out of here! Humanities

<ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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 shows 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.	