



METROPOLITAN BOROUGH OF CALDERDALE
Woodhouse Primary School

Daisy Road, Brighouse, West Yorkshire HD6 3SX
 Tel : 01484 714750
 Email: admin@woodhouse.calderdale.sch.uk



Headteacher: **Mrs Anne Crane**
 Deputy Headteacher: **Mrs Smaldon**
 Assistant Headteacher: **Mr Freeman**

Y4 Curriculum letter: Summer 1

Key learning this half term:

<u>English</u>	<u>Maths</u>
<p>Our class reader is: Firework Maker's Daughter by Philip Pullman</p> <p>Our first writing focus will be writing a narrative based on the story of Pocohontas where we will use expanded noun phrases and figurative language to describe characters and settings before learning how to correctly punctuate speech. We will then focus on writing a non-chronological about an Angler Fish.</p>	<p>During the summer term, our main focus is shape, space and measure. Throughout this unit we will be learning how to find the perimeter and area of shapes using a formula, how to convert between different units of measure involving distance, weight and capacity, how to round and estimate money, how to plot 2D shapes using co-ordinates and how to identify different types of angles.</p>

We are also studying:

<u>RESPECT</u>	<u>Pupils will know</u>	<u>Key Vocab</u>
<p><u>Physical Health and Mental Wellbeing</u> Children will learn how to identify a wide range of factors that maintain a balanced, healthy lifestyle, physically and mentally.</p>	<ul style="list-style-type: none"> To know about what good physical health means and how to recognise early signs of physical illness and that common illnesses can be quickly and easily treated with the right care. 	<p>diet physical health mental health legal</p>



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Growing and Changing

Children will learn the key facts about puberty and the changing adolescent body, particularly from age 9 through to age 11, including physical and emotional changes.

Keeping Safe

Children will learn about legal and illegal substances, the associated risks and how different drugs affect the body.

- How to maintain oral hygiene and dental health and the importance of regular visits to the dentist.
- About personal hygiene and germs including bacteria, viruses, how they are spread and treated, and the importance of handwashing.
- The importance of personal hygiene routines during puberty including washing regularly and using deodorant, how to discuss the challenges of puberty with a trusted adult and how to get information, help and advice.
- The importance of taking medicines correctly and using household products safely.
- Facts about legal and illegal harmful substances and associated risks, including smoking, alcohol use and drug-taking.
- To identify some of the effects related to different drugs and that all drugs, including medicines, may have side effects and that for some people using drugs can become a habit which is difficult to break (caffeine).

illegal
harmful
substances
medicine
benefits
risks
hygiene
puberty



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RE	Pupils will know	Key Vocab
<p><u>How do the five pillars of Islam guide Muslims?</u></p> <p>The unit of study includes work on Muslim beliefs and practices, including the belief in Allah and the importance of the Prophet Muhammad (peace and blessings be upon him). It expands and develops learning about the Five Pillars of Islam as a way of focusing on key beliefs for Muslims.</p>	<ul style="list-style-type: none">• Where Islam originated from and that it started with the First Man & Woman, Aadam and his wife Hawaa Pbut .• To know what the Five Pillars of Islam are and explain the meaning of each.	<p>Allah Prophet Muhammad (pbuh) Qur'an Hadith Shahadah Salaah Sawm Ramadhaan Zakaah Hajj, Mecca/Makkah Eid ul Fitr Eid ul Adha Qiblah wudhu</p>



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<p><u>Why are Guru's at the heart of Sikh belief and practice?</u> This unit explores the concept of 'guru' in Sikhism as an introduction to Sikh religious belief and practice.</p>	<ul style="list-style-type: none"> • That in Sikhism a Guru is a teacher • How to identify qualities that make a good teacher or leader • That Guru Nanak was the first Sikh Guru and that everyone is equal 	<p>Mool (Mul) Mantar Panjab Guru Nanak Guru Gobind Singh Guru Granth Sahib guru Khalsa Amristar Ikk Oankar Enlightenment Gurdwara</p>
<p><u>Science</u></p>	<p><u>Pupils will know</u></p>	<p><u>Key Vocab</u></p>
<p><u>Animals (including humans)</u> Children will identify teeth and their functions. They will also build on prior knowledge learnt about the digestive system and describe each function.</p>	<ul style="list-style-type: none"> • the process of digestion (mouth, oesophagus, stomach, small intestine) and can label the main parts on a diagram of the human body. • Three different types of teeth and can talk about their shape and uses. • Examples of producers, prey and predators in a food chain. • How to construct food chains. 	<p>digestive system digestion herbivore carnivore omnivore producer consumer predator</p>



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States of matter

Children will compare and group materials into solids, liquids and gases. Through investigation, they will observe changes of state. Using scientific vocabulary, chn will explore and describe the water cycle.

- The properties of solids, liquids and gases (including: solids hold their shape, liquids can be poured easily, gases are often invisible and do not have a fixed shape)
- How to group materials into solids, liquids and gases
- How to identify everyday examples of melting and freezing (including water - ice, butter melting)
- How the water cycle works and can explain this using the vocabulary: precipitation, evaporation, condensation)
- That water boils at 100°C and freezes at 0°C

prey
food chain

change of state
melting
freezing
melting point
boiling point
evaporation
condensation
water cycle
temperature



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<u>Art and Design</u>	<u>Pupils will know</u>	<u>Key Vocab</u>
<p>Children will develop their ideas for 3D work through drawing and visualisation in 2D and begin to use more complex techniques to shape materials and explore how shapes can be formed and joined in wire and consider the effect of how sculpture is displayed.</p>	<ul style="list-style-type: none">• Try drawing in an unfamiliar way and take risks in their work.• Use familiar shapes to create simple 3D drawings and describe the shapes they use.• Draw a simple design with consideration for how its shape could be cut from soap.• Transfer a drawn idea successfully to a soap carving.• Make informed choices about their use of tools.• Successfully bend wire to follow a simple template, adding details for stability and aesthetics.• Create a shadow sculpture using block lettering in the style of Sokari Douglas Camp.• Show they are considering alternative ways to display their sculpture when photographing it.• Explore different ways to join materials to create a 3D outcome, making considered choices about the placement of materials.	<p>abstract carving ceramics figurative form found objects hollow join mesh model organic shape pliers quarry sculpture secure surface template texture three-dimensional (3D) tone</p>



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	<ul style="list-style-type: none"> Describe how their work has been influenced by the work of El Anatsui. 	two-dimensional (2D) typography visualisation weaving welding
Computing	Pupils will know	Key Vocab
Spreadsheets Children will use spreadsheets to add formulae and explore formatting cells. This will include adding timers and buttons, line graphs and calculations for budgeting and place value.	<ul style="list-style-type: none"> To explore how the numbers entered into cells can be set to either currency or decimal. To find out how to add formulae to a cell. To explore how tools can be combined to use 2Calculate to make number games. To explore the use of the timer, random number and spin button tools. To use the line graphing tool in 2Calculate with appropriate data To interpret a line graph to estimate values between data readings. 	Average Spreadsheet formula Column Budget Chart Data Format cell Formula wizard
Animation Children will design and create a cartoon animation using 2Animate Tools and stop	<ul style="list-style-type: none"> To discuss what makes a good animated film or cartoon. To learn how animations are created by hand. 	Animation Onion Skinning FPS (Frames Per Second)



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<p>motion animation. They will learn how animations are created and learn how to add backgrounds and sounds to their own animation design.</p>	<ul style="list-style-type: none"> • To find out how animation can be created in a similar way using the computer. • To learn about onion skinning in animation. • To add backgrounds and sounds to animations. • To be introduced to 'stop motion' animation. • To share animation on the class display board and by blogging. 	<p>Pause Frame Stop motion</p>
<p>Geography</p>	<p>Pupils will know</p>	<p>Key Vocab</p>
<p><u>What are rivers and how are they used?</u></p> <p>Children will learn how to describe how the water cycle works, how to recognise the different features and courses of a river, they will be able to name and locate some of the world's longest rivers, how rivers are used and what we can find out about our local rivers.</p>	<ul style="list-style-type: none"> • How to identify water stores and processes in the water cycle. • How to describe the three courses of a river. • How to name the physical features of a river. • How to name some major rivers and their location. • How to describe different ways a river is used. • How to list some of the problems around rivers. • How to describe human and physical features around a river. • How to identify the location of a river on an OS map. • How to make a judgement on the environmental quality in a river environment. 	<p>condensation delta estuary evaporation flooding floodplain groundwater irrigation leisure meander oxbow lake percolation precipitation river mouth</p>



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	<ul style="list-style-type: none"> How to make suggestions on how a river environment could be improved. 	source transpiration tributary valley water cycle waterfall
French Food Children will learn how to describe and explain what they eat and their opinions on this. The children will then develop the skills to write a paragraph incorporating their previous knowledge.	Pupils will know <ul style="list-style-type: none"> How to describe what they eat How to express their opinions on foods they eat. 	Key Vocab Quelquefois (Sometimes...) Je mange (I eat) Avec mes amis (with my friends) J'aime manger (I like to eat) Je déteste boire (I hate to drink) Bon pour la santé (good for your health) Parce que c'est (because it is)
Music STOP! (Anti-bullying rap) Children will clap rhythms from the songs and begin to learn how to write notes using notation. The children will continue to learn about the composer Vivaldi.	Pupils will know <ul style="list-style-type: none"> To sing songs in unison from memory with accurate pitch and begin to use expression using dynamics To perform a simple part rhythmically To perform from rhythm grids and begin to perform from rhythm notation 	Key Vocab Musical style Rapping Lyrics Choreography digital/electronic sounds turntables



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- To know that a semibreve is worth 4 beats and a quaver is worth $\frac{1}{2}$ a beat
 - To use notation to record compositions
 - To explain why silence is needed and what effect it has
 - To describe and identify the different purposes of music
- To know the style indicators of pop music

synthesisers
drums
unison
pulse
rhythm
pitch
tempo
dynamics
texture structure
compose
improvise
hook
riff
melody
solo



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<u>PE</u>	<u>Pupils will know</u>	<u>Key Vocab</u>
<p><u>Indoor - Gymnastics</u> Children will focus on movements that develop their strength and flexibility producing a routine that includes a sequence of balances linked by a variety of travels performed at different speeds.</p> <p><u>Outdoor - Orienteering</u> Children will use maps of the school ground and local area to locate different points. Children will design their own orienteering course.</p>	<p><u>Indoor -</u> How to control the speeds of moves How to perform and hold a balance focusing on a specific shape How to perform a sequence of balances linked by a variety of travels How to work with a partner to create a sequence of 3 moves that flows with a start and finish position</p> <p><u>Outdoor -</u></p> <ul style="list-style-type: none">• How to follow a map independently using a variety of clues• How to create diagrams and courses using a map as instructions.	<p>Balance forward roll pencil roll teddy bear roll travelling smooth transition Map Orientate Compass points</p>



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Swimming

Children will learn how to use a range of swimming strokes across 10m.

Swimming
Frog

- How to hold breath for 10 seconds under water
- How to perform a sequence of 3 floating shapes
- How to push and glide from the wall and then roll
- How to push and glide from the wall to the floor
- How to swim 10m backstroke
- How to swim 10m breaststroke OR front crawl
- How to do headfirst scull for 5m
- How to Swim 10m of a chosen stroke using the correct technique

Angelfish:

- How to perform a feet first scull for 5m.
- How to do skcull and then log turn with a partner.
- How to swim 10m backstroke, front crawl and breaststroke.
- How to perform a forwards somersault in the water.
- How to demonstrate how to signal for help.



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