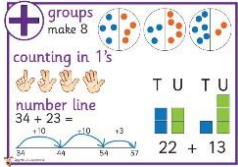



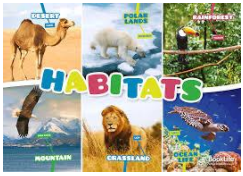
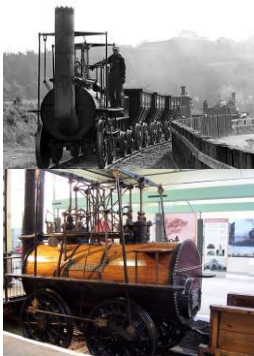

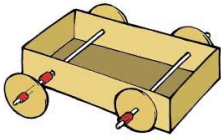
# Hurworth Primary School

## Curriculum Information for Parents




### Spring Term 2022-23

YEAR GROUP: 2		TERM: Spring
SUBJECT	OVERVIEW OF LEARNING	IDEAS FOR LEARNING AT HOME
<p><b>MATHS</b></p> 	<p>Each day we will be recapping our key skills, looking at different aspects of the curriculum we have already covered and ones we need to keep practising, such as telling the time, through our Flashback 4 sessions.</p> <p><i>Geometry- properties of shape</i> Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line. Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces. Identify 2D shapes on the surface of 3D shapes, [for example, a circle on a cylinder and a triangle on a pyramid.] Compare and sort common 2D and 3D shapes and everyday objects. Order and arrange combinations of mathematical objects in patterns and sequences.</p> <p><i>Money:</i> Count pounds and pence with notes and coins and choose them to make amounts or make a pound. Compare amounts of money, looking at what is more or less. Find change after buying an object and not giving the exact change.</p> <p><i>Multiplication and Division:</i> Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers. Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs. Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts. Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</p> <p><i>Length and height:</i> choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers, compare and order lengths, and record the results using &gt;, &lt; and =.</p> <p><i>Mass, capacity and temperature:</i> choose and use appropriate standard units to estimate and measure mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using scales, thermometers and measuring vessels, compare and order mass, volume/capacity and record the results using &gt;, &lt; and =.</p>	<p>Can your child tell you about the shape of objects in and around their home and talk about the 2D and 3D shape properties?</p> <p>Can your child help you buy something at the shop using coins and notes?</p> <p>Can your child measure things around the house with a ruler? Perhaps you are baking or cooking and your child could help you measure the ingredients.</p>
<p><b>ENGLISH</b></p> 	<p>This term will start with some work all about The Robot and The Bluebird. We will be working on our inference skills, drawing on images and our own experiences to imagine how characters are feeling and what they are thinking. We will move on to writing diary entries from the perspective of the Robot and using what we have gathered from the text and pictures to support our writing. We will also be using the story to write our own narrative focusing on grammar such as consistent capital letters and full stops, commas for a list, apostrophes for contraction and possession.</p> <p>Additionally, we will read The Disgusting Sandwich. We will follow the steps in the story to find out how the disgusting sandwich is created. Afterwards, we will think about what we would put in our own disgusting sandwich and who we might want to try it. The children will then write instructions for others to make their disgusting sandwich.</p> <p>Our class novels will be Rabbit and Bear: Rabbit's Bad Habits and Bad Panda. In our reading sessions, we will also be looking at lots of different texts linked to our class novels and class stories, including picture books, poems, videos and non-fiction texts. Through all of our reading, we will be practising the key skills of retrieval, inference, vocabulary, sequencing, prediction and explanation through discussion and individual questions.</p> <p>Our nursery rhymes for this term are: A Week of Birthdays, Goosey Goosey Gander, Down in the Jungle, Old Mother Hubbard, Lavendar's Blue, Hush Little Baby, Days in the Month, Peter Piper, To the Magpie and Little Jack Horner.</p> <p>Our poems for this term are: The Months by Sara Coleridge and From a Railway Carriage by Robert Louis Stevenson.</p>	<p>Keep practising handwriting as well as using capital letters and full stops accurately.</p> <p>Spelling homework is also very important, as well as continuing to practise those commonly used words. You can also practise on Spelling Shed.</p> <p>Keep reading a variety of books for pleasure alongside regular reading of their school books.</p> <p>Practise the nursery rhymes sent as homework to build up a bank of songs.</p>




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<p><b>SCIENCE</b></p> 	<p>This term's science topic is Living things and their Habitats, through which the children will explore and compare the differences between things that are living, dead, and things that have never been alive. We will learn about how things that are alive do the life processes: move, respire, have senses, need nutrition to produce energy, grow, excrete, reproduce. We will learn all about what a habitat is, and identify that most living things live in habitats to which they are suited, describing how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other. Together, we will learn about different world habitats and study and observe a variety of plants and animals in the local habitat, including micro-habitats. The children will also find out about how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identifying and naming different sources of food.</p>	<p>This is a great website for simple science experiments to do together at home: <a href="http://www.sciencefun.org/kidszone/experiments">http://www.sciencefun.org/kidszone/experiments</a></p> <p>Why not have a look in your garden and compare the minibeasts living in different microhabitats? Why do you think this is?</p>
<p><b>HISTORY</b></p> 	<p>As part of our work on events beyond living memory and significant historical events and people, the children will be exploring the different ways in which travel and transport has changed from the past to present, thinking about how people travelled before trains and cars were invented. We will explore how the first trains and railways were developed and how rail travel changed the lives of people living in the UK. We will think about why steam locomotives are historically significant and learn about famous locomotives such as Locomotion Number 1 and the Rocket. We will look at how and why trains have changed over time and see how the work of George and Robert Stephenson impacted lives at the time they were alive and today. We will look at their achievements and explain how they are significant to our local area. We will be going on a trip to a railway museum to help us look at locomotives in more detail.</p>	<p>The National Railway Museum in York or Shildon are great places to visit to enhance your child's learning about this topic. Their website also has lots of great information about their collections too. <a href="https://www.railwaymuseum.org.uk">https://www.railwaymuseum.org.uk</a></p>
<p><b>GEOGRAPHY</b></p> 	<p>Following on from our work on the United Kingdom, we will be looking at Darlington in more detail. We will be learning about settlements and what type of settlement Darlington is. We will explore why people settled in Darlington before developing our map-reading skills to locate Darlington within the North East. We will recap the 4 points of the compass and think about the different symbols used on maps and in atlases to help us to identify which features we can find in Darlington. We will look at human and physical features within maps (including digital maps), aerial photographs and side-view photographs, learning about the local landmarks. To end our topic, we will look at the reasons why people may choose to live in Darlington today.</p>	<p>Use Google Maps to explore different areas in the locality, noticing places with more buildings (urban areas) and comparing this with countryside. This also links with our science work based around habitats.</p>
<p><b>DESIGN &amp; TECHNOLOGY</b></p> 	<p>In conjunction with their history topic, the children will be investigating how wheels and axels can be used to create vehicles. We will look at the features of vehicles and what they need to move, before experimenting with using wheels and axels to make a moving chassis. We will use what we have learnt from our 'mock-up' stage to help us to design and create a moving train to meet a set of design criteria: a toy that could be used by children.</p>	<p>Take a look at different vehicles when you're out and about. Can you see how their wheels move? Which other vehicle features can you see?</p>

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<p><b>ART</b></p> 	<p>Our art work this term will focus on photography. We will learn to use the iPads to take photographs, thinking about the steps we need to take when taking the photograph. We will learn to take photos in both landscape and portrait mode and explain why one may look better than another depending on the subject. As part of the topic, we will look at what makes a good photograph and learn how to improve a photograph by retaking it. We will explore the effect light has on a photograph, thinking about using natural and artificial sources of light (such as a flash). We will combine our photography skills with our drawing skills to create a mixed-media piece. We will also use our skills to change images that we have taken, using tools to achieve a desired effect and link this to our PSHE skills, thinking about how the media may change photographs to make things look different to how they really are.</p>	<p>Have a go at using a digital device to take photographs outside of school. You could even send in copies of your photographs to share with the class!</p>
<p><b>RE</b></p> 	<p>Firstly, this term the children will be learning about Muslims and the religion of Islam. We will think, talk and ask questions about Muslims beliefs and ways of living. Stories will help us understand Muslims beliefs and important figures in their religion. Lastly, we will reflect on how they can set a good example for others and what practises and virtues are good for all people to develop.</p> <p>As Easter approaches, the children will re-visit the stories from the Bible and link with the idea of Salvation (Jesus rescuing people) and Incarnation. We will talk about how these are important parts of the Bible. We will look at how Jesus taught people how to behave through stories and through example. Then we will look at example of how Christians show their beliefs around Easter time.</p>	<p>BBC Bitesize have great videos and information on religions: Islam: <a href="https://www.bbc.co.uk/bitesize/topics/zj3d7ty">https://www.bbc.co.uk/bitesize/topics/zj3d7ty</a> Christianity: <a href="https://www.bbc.co.uk/teach/class-clips-video/religious-studies-ks1-the-christian-story-of-easter/zhgv47h">https://www.bbc.co.uk/teach/class-clips-video/religious-studies-ks1-the-christian-story-of-easter/zhgv47h</a></p>
<p><b>PE</b></p> 	<p>Football skills: The children will be coached in a range of football skills throughout this term, learning ball control, tackling, striking and defence skills.</p> <p>Gymnastics: The children will be exploring different ways of travelling, balancing and jumping.</p>	<p>Please ensure that your child remembers to bring their PE kit every Monday. We will be outside in all weathers (within reason) so warm tracksuit, waterproof, hat and gloves are also needed as we head into winter.</p>

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<p><b>PSHE</b></p> 	<p>In PSHE, we will be learning about what jobs people do and how jobs help people to earn money to pay for things they need and want. We will think about how people have different strengths and interests that enable them to do different jobs, and how the internet and digital media are used within daily life.</p> <p>Following this, we will be focusing on what helps us to stay safe, including basic road, fire, cycle and water safety. We will be learning how to identify risky and potentially unsafe situations and how we can take steps to avoid these. We will learn about resisting pressure to do something that makes us feel unsafe or uncomfortable and revisit our online safety learning about how not everything we see online is true or trustworthy. We will also be revisiting how we can tell a trusted adult if they are worried for themselves or others.</p>	<p>Talk to your child about your jobs, showing how your strengths help you to do your job.</p> <p>Discuss how you can stay safe in your house, and what you would do in potentially unsafe situations at home. Encourage your child to talk to you about anything they are doing online.</p>
<p><b>MUSIC</b></p> 	<p>In music we will begin to understand that musical notes are usually grouped in 4. We will perform from rhythmic notation, including rests and notes that last longer than a single beat. We will play longer phrases on untuned percussion instruments and body percussion.</p>	<p>Listen to different music and find similarities and differences between them, thinking about the instruments you can hear. Practise identifying the tempo of the music by finding the pulse and seeing if it is fast, slow or in between.</p>
<p><b>COMPUTING</b></p> 	<p>After finishing our topic on coding, we will focus on spreadsheets. We will be using 2Calculate on Purple Mash to help us to enter data into spreadsheet cells, including images, and use the control tools within the program to lock, move cells, speak and count. We will use the totalling tools to help us to calculate and use our spreadsheet for money calculations. Finally, we will collect data in a table and produce a graph.</p> <p>Following this unit, we will develop our skills further by learning about data handling tools that can give more information than pictograms. We will use yes/no questions to separate information and construct a binary tree to identify items. We will be using 2Question (a binary tree database) to help us to answer questions.</p>	<p>Please encourage your child to be safe when online and keep an eye on our Facebook and Twitter pages for advice to parents regarding online safety for children. Use apps that support their learning. There are lots of amazing free apps and websites! BBC Dance Mat is a great website to practise typing with two hands.</p>