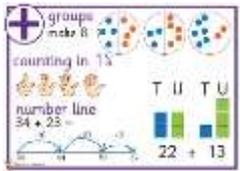
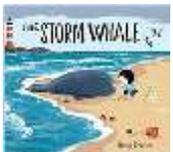


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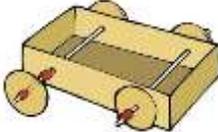
Spring Term 2021-22

YEAR GROUP: 2		TERM: Spring
SUBJECT	OVERVIEW OF LEARNING	IDEAS FOR LEARNING AT HOME
<p>MATHS</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>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 (\times), division (\div) 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>Statistics:</i> Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Ask and answer questions about totalling and comparing categorical data.</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>Number – fractions</i> Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity. Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 Recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$</p>	<p>Continue to practise multiplication and division facts using Maths Shed. Maths Shed allows you to practise just multiplication or division before doing both together, which means it is perfect for practising for our times tables quizzes.</p> <p>Can your child ask you for your favourite ice cream flavours and create a tally chart and block diagram?</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>Fractions can be a tricky concept and children often understand them best in a practical context – encourage your child to recognise fractions all around them: when eating pizza or sharing out sweets maybe!</p>
<p>ENGLISH</p> 	<p>This term will start with some work all about The Storm Whale. We will be working on our visualisation skills, drawing images from words, then move on to make predictions about what we think the book will be about. Lots of our work will stem from the brilliant illustrations in the story, for example writing diary entries from the perspective of Noi and using what we can see in the pictures to support our writing. We will also be using the illustrations to help us make inferences about the characters' thoughts and feelings. In the story, Noi finds a whale. We will help Noi to understand a bit more about whales by creating our own information texts that he can read. We will continue to practise our recount skills by writing as Noi to recount the whale's return to the ocean, and then create our own stories about an animal who ends up somewhere they shouldn't be.</p> <p>Our class novels will be Rabbit and Bear: Rabbit's Habits and The Owl Who was Afraid of the Dark. 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: London's Burning. Ring-a-Ring-o'-Roses, Goosey Goosey Gander 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>Other Benji Davies books we love:</p>  <p>Keep practising handwriting as well as using capital letters and full stops accurately. 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>SCIENCE</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: http://www.sciencefun.org/kidszone/experiments</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>

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<p>HISTORY</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 the Head of Steam at the start of our topic 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 (once they are open). Their website also has lots of great information about their collections too. https://www.railwaymuseum.org.uk</p>
<p>GEOGRAPHY</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. We will also go on a guided tour of Darlington as part of our trip to the Head of Steam so we can identify these features in real life.</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>DESIGN & TECHNOLOGY</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>
<p>ART</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>

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<p>RE</p> 	<p>This term the children will be exploring the Christian theme of belonging. They will talk about the Christian ceremony of baptism and explore the special words, actions and objects used. They will learn being baptised is one way to show commitment to God and belonging to the Christian church. They will also reflect on who they belong to and how they show this. They will have the opportunity to think about their feelings and experiences of belonging and how they can help others belong. As Easter approaches, the children will re-visit the story of Easter and think about how Christians remember these events and celebrate them today.</p>	<p>If your child has been baptised, do they have photographs or a baptismal candle that they could bring to share with the class? Encourage your child to think about what else they belong to and how they show that: family, friendship groups, clubs.</p>
<p>PE</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>
<p>PSHE</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>MUSIC</p> 	<p>In music, we will be thinking about the key question <i>How does music teach us about the past?</i> We will be learning to sing three songs: Sparkle in the Sun, Listen and the Orchestra Song. We will be spending time listening and responding to the songs. We will also listen to a brass band piece called Beauty of the Earth and another piece called Fascinating Rhythm. We will compose using the Music Explorer App. Our overarching music theory theme will be dynamics and tempo, which we will study through a variety of different pieces of music. Alongside our music units, the children will also be continuing to learn to play the glockenspiel and use this to play tunes, improvise and compose music.</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. Can you hear the dynamics of the piece of music? Is it loud, quiet or in between?</p>
<p>COMPUTING</p> 	<p>Our first topic 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>