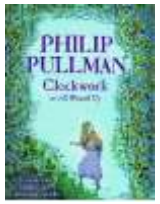
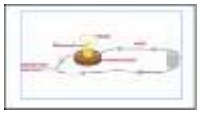
Hurworth Primary School
Curriculum Information for Parents
Spring Term 2021-2022

YEAR GROUP: 6		TERM: Spring
SUBJECT		**IDEAS FOR LEARNING AT HOME**
MATHS 	***Decimals***: Identify the value of each digit in numbers given to three decimal places and multiply numbers by 10, 100 and 1000 giving answers up to 3dp. Multiply one digit numbers with up to 2dp by whole numbers. Use written division methods in cases where the answer has up to two decimal places. Know and calculate decimal and fraction equivalents. ***Percentages*:** Solve problems involving the calculation of percentages [for example, of measures and such as 15% of 360] and the use of percentages for comparison. Recall and use equivalences between simple fractions, decimals and percentages including in different contexts. ***Algebra****:* Use simple formulae. Generate and describe linear number sequences. Express missing number problems algebraically. Find pairs of numbers that satisfy an equation with two unknowns. ***Measurement***: Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa. Convert between miles and kilometres. ***Perimeter, Area & Volume:*** Recognise that shapes with the same areas can have different perimeters and vice versa. Recognise when it is possible to use formulae for area and volume of shapes. Calculate the area of parallelograms and triangles. Calculate, estimate and compare volume of cubes and cuboids. ***Ratio****:* Solve problems involving the relative sizes of two quantities. Solve problems involving similar shapes where the scale factor is known or can be found. Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples. ***Geometry and Statistics****:* Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius. Interpret and construct pie charts and line graphs and use these to solve problems. Calculate the mean as an average.	Please encourage your child to keep practising their times tables using **TT Rock Stars** to speed up their multiplication and division recall. Children also complete a short, SATs style arithmetic test weekly, which is sent home after marking and going through in class. Encourage your child to show you their test and discuss what went well and what they are going to work on. Homework is set weekly based on the focus in class that week. Arithmetic or mixed questions may also be set to recap for upcoming SATs.
ENGLISH 	Our class novel for this term is 'Clockwork' by Philip Pullman, a mysterious tale that has Glockenheim, a fictional village in Germany as its setting. The story is told by story teller, Fritz, and focuses on a young apprentice clockmaker who has procrastinated so much that he has only that evening to create a figure for the village's famous clock tower. The complicated story which has a strong moral message shifts backwards and forwards through time with lots of twists and turns and with the characters getting their just deserts! The book will allow many opportunities for writing in character for a specific audience and will be used as a model to create their own suspense story, taking account of settings, characters, actions and atmosphere.	Your child should be reading a novel at home for at least twenty minutes three or four times a week and getting their reading record signed. This novel should be brought into school daily so that they can read it during any free time. Reading records will be checked and rewards given for regular reading. Weekly spellings are sent home to be practised using the look, cover, write, check method. This is most effective in short daily bursts. To supplement this, games on **Spelling Shed** will also be set with the week's spellings, which must be completed as part of homework. Your child can also revisit previous spelling patterns and rules or learn new ones by going on other games. Reading or grammar homework will also be sent out this term.
SCIENCE & D & T 	Our topic for this term is Electricity. The children will revisit and extend their knowledge from Year 4 and will begin by using their prior knowledge of electrical circuits to build their own 'scribblebots'. They will learn the symbols used for electrical components and be able to use them in circuit diagrams. They will work scientifically to explore the effect of changing one component at a time in a circuit, for example, the number of batteries, thickness of wire, length of wire, and why there are variations in how the components function. The children will work in groups to apply their knowledge to design, make and evaluate a simple product using an electrical circuit, such as an alarm or children'stoy.	Discuss with your child about how to stay safe around electricity.

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HISTORY 	We will continue with our local history topic' From Plague to Prosperity: The History of Hurworth' The children will research the life and work of one of Hurworth's most famous residents, William Emerson (1701-1782) and write a short biography. They will then find out about the cottage weaving industry that used to exist in the village and how it declined due to the effects of the Industrial Revolution and the advent of the railways in the 19th century. We will then look at some of the more recent events in Hurworth's history, including the 2 world wars, and bring our research up to the present day.	If you have any family history linked to Hurworth, please share this with your child. This could be about places, people or events from the life of grandparents and parents. We would be very interested to hear about it.
GEOGRAPHY 	Our geography topic this term is 'The World'. The children will develop their locational knowledge of continents, oceans and countries around the world, and use atlases to find and compare key information such as area and population. They will learn about lines of longitude and latitude (including the equator, prime meridian and tropics of Cancer and Capricorn) and understand how to identify specific locations in degrees, minutes and seconds.	Encourage your child to use atlases and online maps such as googlemaps to locate and research family holiday destinations. Perhaps you could put together a family wish list of places you'd all like to visit!
RE 	Our RE this term focusses on Easter and in particular why Good Friday and Easter Sunday are the most important days for Christians. We will be talking about the significance of the crucifixion and resurrection; some of the feelings and ideas associated with the Easter story: sadness and joy, fear and hope; and the impact of these beliefs on Christians today.	
PE 	PE will continue on Friday afternoons. During the first half term, the children will receive teaching in football skills by the coach and gymnastics by Miss Vayro. In the second half term, the coach will teach netball/basketball and Miss Vayro net games.	Please ensure that your child remembers to bring their PE kit every Friday. We will be outside in all weathers (within reason) so warm tracksuit, waterproof, hat and gloves are also needed.
PSHE 	Our theme for this term is health and wellbeing. We will be thinking about both our physical and our mental health and how these are linked, identifying what we can do to keep our elves physically and mentally healthy, how to recognise early signs of physical or mental ill-health and what to do about this, including whom to speak to in and outside school. We will discuss issues such as healthy and unhealthy habits, the importance of sleep, how legal and illegal drugs can affect health, and how positive friendships and being involved in activities such as clubs and community groups support wellbeing.	Please talk openly with your child if they have any questions on any of these issues. These are some useful websites linked to your child's learning: https://www.nhs.uk/every-mind-matters/; www.youngminds.org.uk; www.alcoholeducationtrust.org
MUSIC 	Using the Charanga package from Durham Music Services, the class will learn about pulse, rhythm, pitch and also tempo, dynamics, timbre, texture and structure and how these elements fit into the music we listen to.	
FRENCH	This term the children will recap numbers to 100 and learn some basic maths vocabulary for addition, subtraction, multiplication and division, using this to complete some maths activities. The next topic is colours: we will learn different colour shades and use them to describe physical appearance accurately. We will also be revisitng vocabulary for homes and houses and using this to compare houses and design a home. Our next topics are animals and food and we hope to finish the term by combining all of our learning to help us to read and tell the story of Le Petit Chaperon Rouge (Little Red Riding Hood).	Please encourage your child to share their learning with you and to practise some of the vocabulary they have learnt..If they can't remember how to pronounce a word, google translate is a great tool to use. There are lots of French games and activities on the BBC website www.bbc.co.uk/bitesize
COMPUTING 	Children will continue to use 'Purple Mash' this term to learn about Microsoft Excel and using spreadsheets. They will learn how to navigate and enter data into cells and be introduced to basic formulae, such as percentages, averages and max and min numbers. This will lead them to understand how Excel can save time and effort when doing calculations. Finally, they will create graphs using complex data, so it is more easily understood. Later on in the term we will complete a crash course in coding. They will learn that for a computer to make something happen, it will need clear instructions to follow; a set instructions is called an algorithm. Using actions, objects and events, children will be able to create their own programs, changing variables, adding buttons and altering functions. They will often be able to solve their own problems when they get stuck, either by reading through their code again or by asking their peers; this is a process called 'tinkering'.	If you have Microsoft Excel at home, you may ask them to create a table of data on your family's favourite food and then present it in a graph. Please talk openly and often to your child about the importance of behaving respectfully and responsibly online and protecting their own and others' private information. Follow us on Twitter and/or Facebook for regular updates about keeping your child safe online.