

Home Learning Year 6

We hope you have enjoyed the activities we have suggested so far and have been using them to help structure your learning. We have updated the grids with new activities to choose from – remember to be as creative as possible!

Choose a maths, English and research/topic-based activity to complete each day.

Maths

<p>Use a die to roll a seven-digit number. Round the number to the nearest 10, 100, 1000, 10 000, 100 000 and 1 000 000.</p>	<p>Create a set of Top Trumps on a subject of your choice i.e. footballers, Harry Potter characters. The numbers that you assign for each characteristic (strength, speed, bravery etc.) must be a negative number. Play the game – remember, the ‘smaller’ the negative number the ‘bigger’ it is! (-3 would beat -43 as it is ‘bigger’!)</p>	
<p>Write the numbers 0 – 20 in the following languages: English, French, German, Italian, Chinese and Russian.</p>	<p>Create a poster which explains BIDMAS. What does each letter stand for? Which order should calculations be completed in? Write example calculations and show how to solve them step by step. You can then play this BIDMAS game with a relative – who will win? https://www.transum.org/Maths/Game/BIDMAS/</p>	
<p>Create a 100 square. Colour in all the prime numbers. What do you notice about them all? Write a definition of a prime number and a way to work out if a given number is a prime number.</p>	<p>Choose two numbers, these could be 1, 2, 3 or 4 digit. \times, $+$, $-$ and \div your numbers. Do you notice anything about your answers? What happens if you swap the order of the numbers? Why does this happen?</p>	<p>Use squared paper to draw a variety of shapes – these could be as simple (square, rectangle, triangle) or as difficult (numerous sides, diagonal lines) as you like. Increase each shape by a scale factor 2, 5 and 10.</p>
<p>Draw shapes to create algebra puzzles (as below). Remember, algebra uses shapes/numbers to express missing numbers. Can others in your house solve the puzzles and find the missing numbers?</p> $\diamond + \diamond + \diamond = 36$ $\diamond + \heartsuit - \oplus = 4$ $\heartsuit + \diamond + \heartsuit = 30$		<p>Use Google Map Directions to find out how many miles and how many minutes it would take you to get from your home address to: Buckingham Palace, Stonehenge, Angel of the North, Ben Nevis, Giants Causeway and Lake Windermere. Convert the miles to km and the minutes to hours then order them from closest to furthest.</p>

<p>Tracy Beaker - https://www.penguin.co.uk/articles/children/2018/the-story-of-tracy-beaker-extract-by-jacqueline-wilson/ Read the extract and list the ways in which Tracy is different to traditional heroines of stories. Can you predict what sort of trouble she could get herself into? What might happen to her?</p>	<p>Where's Wally? - Wally can be found in detailed illustrations which show dozens or more people doing a variety of amusing things in different places. Wally is hidden and our job is to search for him... but... what made him hide? Write a short back story for Wally which explains why he doesn't want to be found. Who is he? What did he do? Who is looking for him?</p>	
<p>The Twits - The Twits are disgusting - and they love playing tricks on each other! https://www.bbc.co.uk/programmes/p011lw94 This trick is one of their best! Can you think of two more tricks that The Twits could play on one another? Write a short description and draw a picture of the most disgusting tricks you can think of!</p>	<p>Alex Rider - Alex Rider is a spy, and what does a spy need? Gadgets! Read the extract in which Alex is given seemingly normal objects which all have secret uses. Think of two more objects that a teenager might use and adapt them for spy use! Draw a picture and label them, make sure you explain how they would be useful for a spy! https://wle.workingtonacademy.org/resource.aspx?id=13762</p>	
<p>Harry Potter - Everyone knows Harry Potter is a wizard... right? What clues are there in the first chapter that there is something different about Harry Potter? https://clubs-kids.scholastic.co.uk/clubs_assets/363821</p>	<p>Roald Dahl - A very famous author who was particularly talented at creating new words - in fact, he had his own language called Gobblefunk! Use this list (https://www.bbc.co.uk/newsround/36405434) as inspiration to create ten of your own made up words - make sure you tell us what they mean!</p>	
<p>Little Red Riding Hood - It is now ten years after Little Red Riding Hood saved her grandmother from the Big Bad Wolf. She is now a full time wolf slayer and has helped countless people with their wolf problems. Write her a letter asking her for help with your own wolf problem - how is your wolf a problem? What is he doing? How can he be stopped? Why should Little Red Riding Hood help you?</p>	<p>Michael Morpurgo - Kensuke's Kingdom tells the tale of a young boy stranded on a remote island. If you found yourself stranded, what would be the ten most important things you think you would need with you? Write these in order from most to least important and explain why you have ordered them this way. Food cannot be on your list - maybe think about what equipment would be most useful for getting food on the island.</p>	<p>Julia Donaldson - A very famous author known for The Gruffalo, Room on the Broom, The Snail and the Whale and Stickman. What do all her stories have in common? They rhyme! Create a list of possible rhyming words for the following titles. or, think of your own titles! Spoon on the Moon, The Mouse who broke the House and The Goose who scared the Moose.</p>

Research/Topic

Passion Project

Choose something that you are passionate about; this could be football, music, a book, an author, a celebrity, a topic (history, sport) etc. Use what you already know (and carry out additional research) to share everything you know about this topic; you could create a PPT or a mood board and include fact files, illustrations, newspaper articles, statistics and examples of their work.

Jigsaw

Create your own jigsaw. You can do this in two ways.. Either, draw your own complete image (a person, a place, a theme i.e. sweets) then cut into jigsaw pieces for someone to put together again - you could make the jigsaw pieces as simple or difficult as possible!

OR

Draw/print empty jigsaw pieces, then draw your pictures on them to then put them together to create the whole image.

Chemical Reaction

Who wants to make a mess? Use the following link (<https://www.scienceforkidsclub.com/chemical-reaction.html>) to access an article on chemical reactions. You will also find an experiment to do at home! Write a report about what you did, start with how you prepared and what you predicted would happen; take pictures of each stage of your experiment and then write up what you were doing and why for each stage; finally, write a conclusion about what happened and why.