



“Working together to fulfil potential”

## Spring Term Pick ‘n’ Mix – Maths challenges and Science and Geography tasks

Read at least 4 times per week	Practise your weekly spellings	Learn your 2, 3, 5, and 10 times tables and division facts
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<p>Take 3 consecutive one-digit numbers, e.g. 4, 5 and 6. Add them together. What do you notice?</p> <p>Choose different groups of 3 consecutive one-digit numbers and see if there is a pattern.</p>	<p><b>Always, Sometimes, Never...</b></p> <p>I am thinking of a two-digit number; if I add ones to it, I will only need to change the ones digit.</p> <p><b>Convince me using some examples and explain your findings.</b></p>	<p>How many two digit numbers can you make using the digit cards?</p> <p>7 0 2</p> <p>What is the largest number? What is the smallest number? Prove it!</p>	<p>How many different numbers can go in the box?</p> <p><math>13 &lt; \square &lt; 20</math> Investigate!</p> <p>Can you create another problem like this?</p>
<p>Go for a walk in your garden or in your local area and collect a range of items that could go into one of the following groups; Things that are living, things that are dead and things that have never been alive. Present your findings however you like, maybe as a graph, a drawing or a photograph.</p>	<p><b>A habitat is someone or something’s home.</b></p> <p>You can find different habitats in your garden, the woods or near a pond. Go on a habitat hunt and see how many you can find. Could you guess what lives in each one? Count how many you find by tallying, you could take photographs of different ones too.</p>	<p><b>What can you find out about lifecycles? What is a lifecycle?</b></p> <p>Present the lifecycle of an animal of your choice in any way that you like.</p> <p>Write an explanation to go alongside your lifecycle to describe the process that it is showing.</p>	<p><b>Make a bug hotel to attract minibeasts to your garden. There are some great ideas and pictures of bug hotels online so carry out some research first and plan what you will need.</b></p> <p><b>Take some photos of your creation.</b></p>
<p>Make a bird feeder to encourage different birds to come into your garden. <a href="https://www.bbc.co.uk/cbeebies/makes/bird-feeder">https://www.bbc.co.uk/cbeebies/makes/bird-feeder</a> Write a set of instructions explaining how to make one.</p>	<p><b>Imagine Walkden shopping centre is being revamped and you are going to open a shop there. What would your shop sell? What would it look like? Who would it attract? Create a poster to advertise your shop to the local community.</b></p>	<p><b>Draw a map of the street that you live on. If your street is too long, just draw a section of it. Add as much detail as you can by using pictures, captions and labels.</b></p>	<p><b>Design and make a 3D model of a new play area that is going to be built in Walkden Park. You could use junk materials, play-doh, lego or whatever you like.</b></p>

