




<p><u>Maths challenges</u> <u>Week beginning 18.1.21</u></p> <p><u>Compare mass</u> Children may already have some experience of weight through carrying heavy and light items. Prompt them to use the language of heavy, heavier than, heaviest, light, lighter than, lightest to compare items starting with items which have an obvious weight difference. Avoid the common misconception that bigger items are always heavier by providing some small, heavier items and some large, lighter ones.</p> <p><u>Compare capacity</u> Encourage children to build on their understanding of full and empty to show half full, nearly full and nearly empty. Provide opportunities to explore capacity using different materials such as water, sand, rice and beads.</p>	<p>Monday- Human Balance Scales</p> <p>Ask your child to be a human balance scale. Place an item on each hand and ask them to tip to show which item is heavier and which is lighter. The children could also hold buckets or bags in each hand and place items inside to feel which has the stronger downward pull.</p> 	<p>Tuesday- Heavy or Light</p> <p>Listen to a heavy/ light song-click on the following link (39) Is It Heavy or Light? Jack Hartmann Measurement Song - YouTube</p> <p>Label 2 areas in your home 'heavy' and 'light'. Call out an object and your child runs to the heavy or light area. For example, feather, elephant, mouse, dinosaur, car, pin, dice, pencil, wool, balloon, brick, train, house etc. Encourage the children to suggest some of their own heavy and light objects.</p>
<p>Wednesday- Sorting into sets</p> <p>Give your child an item (e.g. an apple). Challenge them to find things which feel heavier and lighter than the apple and sort them into sets. Are all the heavier things larger than the apple? Can you find anything which is larger than the apple but lighter?</p> 	<p>Thursday- Comparing Capacity</p> <p>Your child will need a plastic jug/ container, and a cup. It might be a good idea to do this on a tray (there might be a spillage!) Or this activity could be done at bathtime!</p> <p>Ask them to fill their cup full, make it empty, nearly full, nearly empty, about half full. Can they find a container which holds more than their cup? Can they find one which holds less?</p> 	<p>Friday- Which holds more?</p> <p>Provide a tall narrow container and a wide shallow one. Ask the children to predict which will hold more water? How could we check? Encourage the children to try different methods. More containers could be added and the children asked to order them from smallest capacity to greatest.</p> 