

Numeracy

Literacy

Technology

Expressive Arts

Outdoor Home Learning Wall – Second Level

<p>Create your own rain gauge. Take readings over the course of a week and draw a table of your results.</p>	<p>Count up in 6, 7, or 8 while throwing or kicking a ball between two people to practice your times tables. Can you do it backwards?</p>	<p>Gather a collection of rocks or leaves. Measure each to the nearest tenth of a cm. Graph your results. Work out the average size for your collection.</p>	<p>Gather a collection of natural objects. Make up your own mathematical question involving percentages.</p>	<p>How heavy is a daisy? A daisy is too light to weigh so find its weight by weighing about 20 together and dividing. Do this for another light object.</p>
<p>Make estimates of the dimensions of your house. Can you use this to work out the perimeter and area? Draw a diagram.</p>	<p>Make a little hole in a piece of paper 1cm square. Place it on the grass and count how many blades of grass are growing in it. Use this to work out how many blades of grass in 1m square.</p>	<p>Time yourself running 20m Divide the time by 20 to get your average speed (m per second) Repeat for a different distance, does your speed change?</p>	<p>Measure the height of six different types of wild flowers and draw them in height order. Make each drawing the correct height so that it is life size.</p>	<p>Draw or photograph angles you can see outside in your area. Measure your drawings/photographs with a protractor. Are some angles more common than others?</p>
<p>Plan a picnic for your family. Using a supermarket website calculate how much the food would cost. You have a budget of £10. Have the picnic outside.</p>	<p>Draw or photograph mathematical/ tiling patterns in the outdoor environment. Can you find some natural and some manmade?</p>	<p>Draw a number line from 0 to 1 on a pavement with chalk. Write as many fractions as you can along it.</p>	<p>Plan a walk in your local area, estimate the distance and time it would take. Test your answer by timing the walk.</p>	<p>Measure the volume of a bucket. Time how long it takes to fill it up from the tap. Divide the number of litres by the time in seconds. Can you use this to estimate how long it takes to fill the bath? Test your answer.</p>
<p>Mesostic Poems This is similar to the acrostic poem but the word can fit vertically at any point in the sentence.</p>	<p>Explore your local area and then create a travel brochure for it. Draw a map of routes taken to get to certain places. Walk the routes and check their accuracy.</p>	<p>Write the names of insects and birds which you find outside. Create a fact file about these animals through observing the food they eat, where they live, their predators etc.</p>	<p>Write spelling words onto paper and stick these onto cones or on a wall/ fence. Read the word then spell the word and then aim to hit the word with a ball (kicking or throwing). Collect points for each hit.</p>	<p>Choose 5 objects from the garden. Write a story about why a witch had these objects in her possession. This could be a novel or a short story/ picture book for younger children.</p>

<p>Create a dirt village. Design and build a castle and moat and have houses for the villagers.</p>	<p>Collect a variety of sticks. Research the bones in the body and make a stick skeleton.</p>	<p>Make your own invention to prevent birds from eating seeds or seedlings.</p>	<p>Make an obstacle course in the garden. Try using different props to create various levels to the course. Create a ninja warrior style course for competitions.</p>	<p>Create a vegetable patch. Use old plant pots, tyres, food containers or old toys which can be filled with soil and seeds which can grow.</p>
<p>Build rock towers. Use the size and shapes of the rocks to create a balance. Try to build a rock tower of 8 stones/ boulders.</p>	<p>Create an outdoor wind chime made from natural materials.</p>			

Links to Support the Learning Above

Rain Gauge Make – <https://www.education.com/science-fair/article/DIY-rain-gauge/>

Perimeter and area – <https://www.theschoolrun.com/what-is-the-perimeter>

<https://www.theschoolrun.com/what-is-area>

Speed, distance and time formulas – https://www.softschools.com/formulas/physics/distance_speed_time_formula/75/

Angles – <https://www.mathsisfun.com/angles.html>

Fractions – <https://www.mathsisfun.com/fractions.html>

Human bones – <https://www.dkfindout.com/uk/human-body/skeleton-and-bones/skeleton/>

Rock towers – search rock tower images on GOOGLE

Mesostic Poetry - <https://letterpile.com/poetry/How-To-Write-A-Mesostic-Poem>