



Curriculum Outdoors



This lesson plan was created by UWS student Farwa Afzad

Curriculum Area		Numeracy and Mathematics		Level	Second
1	Pre-Assessment	<i>Jotter/workbook</i>	<i>Pupils Jotter/ workbook to see previous knowledge of measuring in metres and centimetres</i>		
2	Risk Assessment	<i>Mind Map</i>	<i>Whole class produce mind map of safety measures</i>		
3	Journey time	<i>Let's guess</i>	<i>Point at something that is smaller than 10cm – point at something that is bigger than 1m – Done as challenges as the group walk to the site.</i>		
4	Class management	<i>Groups of 3</i>	<i>Measuring items as a group (scaffolding each other's learning)</i>		
5	Lesson	<i>See below</i>			
6	Assessment	<i>Worksheet/pupil sharing ideas</i>	<i>Asking pupils to share their ideas and look at pupil's worksheet at end of class once collected and observation</i>		
<p>E&O: <i>I can use the common units of measure, convert between related units of the metric system and carry out calculations when solving problems. (MNU 2-11b)</i> Learning Outcomes: <i>Demonstrating converting metres into centimetres and back</i> <i>Being able to use correct measuring tool to measure an item</i></p>				<p>Resources Needed</p> <ul style="list-style-type: none"> • Jotter/IPad • Ruler • Metre stick • Worksheet <p><i>Collect items from the playground to measure</i></p>	
<p>Activity <i>Spend 10 mins - recapping</i></p> <ul style="list-style-type: none"> • Ask children what the symbol for centi-metre (cm) and metre (m) is • Ask pupils how many centi-metres are in a metre and how to convert metres into centi-metres and back. Give pupil the options to take a note of this in jotter or IPad if they wish as a reminder for themselves. <p><i>Spend 5 mins - Risk Assessment</i></p> <ul style="list-style-type: none"> • mind mapping on the white board things they need to be careful of when outside in the playground to ensure their own and others safety. <p><i>Spend 5 mins - Briefly explain the activity and how you want them to carry it out.</i></p> <ul style="list-style-type: none"> • Provide a paper copy of activity sheet or online version (child's choice) • Work in groups of three to measure the items on the sheet • Remind pupils to take turns measuring and photographing <p>Activity Example (spend 25/30 mins on activity) <i>Part 1 - measure a leaf, a stick, a stone and an item of your choice in centi-metres. Take pictures of someone measuring the item.</i> <i>Part 2 - measure the window, sandbox and 2 items of your choice in metres. Take pictures of someone measuring the item.</i> <i>Part 3 - now convert 2 items of your choice in part 1 to metres and convert 2 items of your choice to centi - metres.</i> <i>Spend 5/10 mins - Everybody comes back to class to share their ideas and how they went about measuring the items (can remain outside/ask pupils to involve them into their own learning)</i> <i>If time left can ask what was your favourite item to measure? - why?</i></p>				<p>Assessment <i>Return to class/ or remain outside – 1 person from each group to share something they measured and what tool they used and how they went about converting items (will show understanding of conversion and if correct tool was used i.e. ruler for smaller items)</i> <i>Further assessment – fist of 5 on how much they enjoyed the activity, and would they want to do it again</i> <i>Teacher observation and conversing briefly with different groups</i></p>	