



## KS1 – Maths using Position & Direction with links to Sustainable Travel - Lesson 4

<b>Objectives:</b>	<ul style="list-style-type: none"> <li>To use positional and directional vocabulary to plot co ordinates</li> </ul>
<b>Success Criteria:</b>	<ul style="list-style-type: none"> <li>To use forwards, backwards, left, right, clockwise and anti clockwise correctly</li> </ul>
<b>Link to ICT</b>	<ul style="list-style-type: none"> <li>Use any programmable resources that are available such as Beebots or Romas</li> </ul>
<p><b>Teacher Input with key questions:</b> Recap on the lessons so far this unit.</p> <p>As well as being able to give and receive directions verbally, we need to be able to do so in a visual way. What might that be? Maps, plans, looking at a Sat Nav?</p> <p>Show children examples of these if available and discuss the similarities and differences of them.</p> <p>Explain that co-ordinates are very important to map makers.</p> <p>Show: <a href="http://www.primaryresources.co.uk/maths/pdfs/position_vehicles.pdf">http://www.primaryresources.co.uk/maths/pdfs/position_vehicles.pdf</a></p> <p>Work through it using the method of along and up (along the corridor and up the stairs). What might this be showing?</p> <p>Ask for ideas of co-ordinate chart titles that the children might like to use?</p> <ul style="list-style-type: none"> <li>- Different vehicles at a show</li> <li>- Different makes of one vehicle in a show room or shop</li> </ul> <p>When work is completed, children to work in pairs to follow the co-ordinates.</p>	<p><b>Group 1 - LA L1A – 2C</b> As a group with LSA create on large flip chart squared paper.</p> <p>LSA to then write down the children's instructions.</p>
	<p><b>Group 2 - MA 2C – 2B</b> In pairs – create on A3 squared paper. Write instructions on a separate sheet.</p> <p>CT</p>
	<p><b>Group 3 - HA 2B – 3</b> Independently on A3 with instructions written on a separate sheet.</p>
	<p><b>Plenary</b> How clear were the instructions? What vocabulary was used? How could they be improved?</p>

### Assessment:

- Can use the language of position,
- Can use the language of direction and motion
- Can make whole, half, quarter and three-quarter turns in 3 different contexts
- Can give and follow instructions
- Can interpret co ordinates charts
- Can make co ordinates charts