

Space and 3D Shape

Maths

Year 3

Lesson 2 of 5

Learning Objective		Resources
To be able to use the four compass directions to describe movement about a grid.		Slides Compass Worksheet 2A/2B/2C/2D Island Map sheet
Teaching Input		
<ul style="list-style-type: none"> Show the slide that has a compass with the letters N, S, E and W. Ask the children what the letters mean. Use a compass to find out where north is in your classroom and mark it on the wall. Do the same with the other three points. Show the slide that has a 6 x 6 grid on it. On one square is a mouse and on four other squares are cats. There is a compass shown as well. Go through the slides for each cat and ask the children to describe, using compass terms, how it could reach the mouse. 		
Main Activity		
<p><u>Lower ability:</u></p> <p>Worksheet 2A asks the children to describe a journey using compass points. Children to then use the Island Map sheet to invent their own challenge, such as a Treasure Island, and ask a partner to describe the journey to collect all the objects.</p>	<p><u>Middle ability:</u></p> <p>Worksheet 2B asks the children to describe two journeys using compass points. Children to then use the Island Map sheet to invent their own challenge, such as a Treasure Island, and ask a partner to describe the journey to collect all the objects.</p>	<p><u>Higher ability:</u></p> <p>On worksheet 2C, children to mark on 20 lightning bolts that their superhero has to collect. Children to then write out the journey to describe how he will collect all the lightning bolts. When finished, children to give the description to a partner. They then have to follow the directions and mark on worksheet 2D where they think all the lightning bolts were. Children to check each other's work when finished.</p>
Fancy something different...?		
<ul style="list-style-type: none"> Ask children to get into pairs and tell them that they will be taking it in turns to be a robot and the robot controller. Challenge children to guide their robot to certain places, e.g. the cupboard, the school hall, the window, etc., using the four compass directions. Make sure the robots do not move unless the controller says a direction! 		
Plenary	Assessment Questions	
Use the compass points on the wall and ask the children if they know what the direction is between N and E. Ask a child to go and stand in the NE position. Repeat this with the other intermediate compass points.	<ul style="list-style-type: none"> Can they use the language of position? Can they use the language of position, direction and movement? Can they use the four compass points to describe position and movement? 	