



Curriculum Outdoors



This lesson plan was created by UWS student Lynsey Renfrew

Curriculum Area	Science		Level 2	Second
1	Pre-Assessment	Water tray	Comparing a range of objects	
2	Risk Assessment	Mindmap	Mindmap the risks – such as fall in the water	
3	Journey time	Walk and talk	What do you think will float or sink? walk in pairs	
4	Class management	Clear boundaries	Made jointly with class so that they appreciate and understand why parameters are in place to ensure safety	
5	Lesson	Investigating Floating Objects In Nature		
6	Assessment	Reflective Discussion	Discussing the results with peers with record sheet	

<p><u>E&O:</u></p> <p>By investigating floating and sinking of objects in water, I can apply my understanding of buoyancy to solve a practical challenge. SCN 2-08b</p> <p><u>Learning Outcomes:</u></p> <ul style="list-style-type: none"> • Demonstrate an understanding of factors that affect floating (shape and density of material) 	<p><u>Resources Needed</u></p> <ul style="list-style-type: none"> • Pupils to gather natural resources to make a raft (sticks, bark, stones, pinecones, leaves) • 5 Basins • 5 water bottles • String for each group • Scissors for each group • Cellotape for each group • Waterproof clothing such as overalls and wellyboots • Float/sink chart on laminated paper for each group • Clipboards with a marker for each group
<p><u>Activity</u></p> <ul style="list-style-type: none"> • Walk to the river in pairs • Split into small groups - ask groups to create team names based off something that they see • Ask each team to gather natural resources – investigate what objects sink and float using basin • Then build the raft together • Race them down the river • Record results either sink or float • Return to classroom to discuss results 	<p><u>Assessment</u></p> <ul style="list-style-type: none"> • Recording data for each group. Float or sink using a tallied chart on laminated paper • Return to classroom to discuss results as a whole class group to check pupils understanding <p>NOTE: This lesson could be broken down into two – the first part with basins and bottles in the playground after a walk to gather natural resources. 2nd lesson making rafts at the river site and racing them.</p>