



Topic: Materials	Year 1 Age 5-6	Title: Floating & Sinking
Working Scientifically Do: Perform simple tests to compare and group		Concept Context Compare and group together a variety of everyday materials on the basis of their simple physical properties
Assessment Focus <ul style="list-style-type: none"> • Can children carry out a simple test? • Can children use test results to group materials into those which float or sink? 		
<p>Activity <i>Today we are going to be nautical engineers</i> Floating and sinking investigation in groups Ask the children how could we find out which materials float? Discuss. Provide a group of children with a large container filled with water and discuss ideas for answering the question, 'Which materials will float?' Children to choose an object and describe its properties, then make a prediction about whether it will float or sink. Children could use a prepared template to record findings, make up one of their own or just place objects into floating and sinking groups. Children to test a range of objects and record findings. Adult to make observations of children's scientific vocabulary and findings.</p> <p style="text-align: right;"></p> <p>Adapting the activity Support: Adult demonstrates floating and sinking examples and continues to compare subsequent results to these. Extension: Children choose their own objects to test for floating and sinking. Other ideas: Make a boat to help an object float.</p> <p>Questions to support discussion</p> <ul style="list-style-type: none"> • Which objects do you think will float? • Which objects do you think will sink? • How will we test whether an object floats or sinks? • How will we know if the object floats or sinks? • What have you found out? • Which things would you group together? • What do you notice about each group? What have these things got in common? • What else would you like to test? Why? 		
<p>Assessment Indicators Not yet met: With support, they can say which objects float or sink during the test.</p> <p>Meeting: Children can carry out a simple test and describe what they find out through grouping the materials according to whether they float or sink.</p> <p>Possible ways of going further: Children show a systematic approach to carrying out an investigation and record their findings independently.</p>		

