

Date	Class level Third Class	Subject Mathematics
Strand Measures	Strand Unit Length	
Title Measuring, Estimating and Comparing Fish Lengths		
Objective(s) The aim of the lesson plan is for children to be enabled to estimate, compare and measure regular and irregular shapes such as fish using standard and non-standard forms of measurement.		
Skills Required Estimate, measure, compare, record.		
Learning objectives The child should be enabled to: Estimate, measure, compare and record the length of a variety of fish images. Use appropriate units of measurement e.g centimetres.		Learning activities Talk and Discussion: Talk about and recall the language of length and measuring- long, longer, hand span, metre, length, width, metre stick etc. Introduce the concept of cm. Hands on Approach: Non-standardised units of measurement. The width of your index finger is approximately 1cm. Using this non-standardised unit of measurement calculate the length of a variety of sea creatures. Pair Work: Using a standardised unit of measurement (cm), measure the length of each creature with a ruler. Record the measurements and the difference between the estimate and the actual length on the worksheet provided. Based on the approx actual length of each fish, ask children to measure and mark these lengths on the classroom floor/hall.

	Resources Ruler and pencil Worksheet (attached) Meter stick
Differentiation By support, task/extension tasks, (Worksheet) grouping, roles and learning outcome	
Assessment Oral feedback from children, teacher observation Teacher check, pupil work samples	
Linkage and Integration English/ Oral Language/ Science: Divide the class into groups and allocate each one sea creature to each group. Research facts about this creature. Include one sentence on habitat, diet, lifespan. Present this information to the class.	

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<p>Measure the pictures of the fish below using a non-standard and standard measuring tool. Hint: Measure from the fish nose tip to end of its tail.</p>		
<p>Starry Smooth hound Shark Maximum Length can grow to: 120cm</p>	<p>Bluemouth Rockfish Maximum Length can grow to: 32cm</p>	
		
<p>My Estimate (in cm):</p>	<p>My Estimate (in cm):</p>	
<p>Length in cm:</p>	<p>Length in cm:</p>	
<p>Difference:</p>	<p>Difference:</p>	
<hr/>		
<p>Pollack Maximum Length can grow to: 39cm</p>	<p>Wreckfish Maximum Length can grow to: 90cm</p>	
		
<p>My Estimate (in cm):</p>	<p>My Estimate (in cm):</p>	
<p>Length in cm:</p>	<p>Length in cm:</p>	
<p>Difference:</p>	<p>Difference:</p>	
<hr/>		
<p>Arctic Charr Maximum Length can grow to: 60cm</p>	<p>Cichlid Maximum Length can grow to: 19cm</p>	
		
<p>My Estimate (in cm):</p>	<p>My Estimate (in cm):</p>	
<p>Length in cm:</p>	<p>Length in cm:</p>	
<p>Difference:</p>	<p>Difference:</p>	