

Date	Class level Sixth Class	Subject Mathematics
Strand Algebra	Strand Unit Directed Numbers	
Title Above and below Sea level: Recording Directing Numbers.		
Objective(s) The aim of the lesson plan is for the children to understand the practical application of directed numbers in the context of sea levels through discussion and practical engagement.		
Skills Required Conceptual understanding and the ability to contextualize directed nubers in real life situations .		
Learning objectives The child should be enabled to: Identify positive and negative numbers on the number line and add simple positive and negative numbers using above and below sea level. e.g. $-10 + +5 = -5$	Learning activities Talk and Discussion: Recall prior learning from fifth class about directed numbers. Discuss the practical application of directed numbers in the environment – sea levels. Hands on Approach: The child should be enabled to “walk the number line” to experience positive and negative numbers that arise in discussion and/or in context. Pair Work/Group Work: Children will identify and mark positive and negative numbers on personal and class number lines. Worksheet: Complete the attached worksheet which incorporates the practical application of directed numbers. Resources: Number line Integer cards-positive and negative	

Differentiation:

Pair work/group work, individual differentiated activities and worksheet.

Assessment:

Question and answer, Oral feedback from children, teacher observation Teacher check, pupil work samples, End of unit test (Practical task - Directed Numbers)

Linkage and Integration

English/History: Research the life of John Philip Holland and submarines.

ICT: Ask students to create a power point presentation based on their research and share with the class.

Sixth Class	Strand: Algebra	Strand Unit: Directed Numbers
<p>Solve this problem:-</p> <p>A submarine was 10 metres below the water surface. A seagull was flying 5 metres above the water level. Represent this information visually, use integers and label the diagram. Use the information on your diagram to find the difference in distance between the submarine and the seagull.</p>		
<p>Record this below:</p>		