

Explorer Education Programme

Lesson Plan: Shapes of the Ocean

Class: Junior Infants / Senior Infants

Strand: Shape and Space

Strand Units: Spatial awareness, 2-D shapes, 3-D shapes



TITLE: SHAPES OF THE OCEAN

Aim / Description:

The aim of this lesson plan is to introduce the student to shape and size by developing spatial awareness via the use of vocabulary such as: 'beside' or 'under'; by understanding the concept of 2- D and 3-D shapes; and by drawing and combining to form new shapes and even sea animals. For more information on sea animals and their habitats see teaching materials found at www.explorers.ie

Materials:

- Worksheets (following the lesson plan)
- A selection of shells from the seashore (alternatively use colour counters that you have in the classroom)

Activity:

SPATIAL AWARENESS

- Step 1. Provide the Worksheet of the Explorers Ocean picture and a shell to each student.
- Step 2. Ask students to place their shell under the boat on the diveline, which is marked by the thick black line on the picture.
- Step 3. Ask the students to move their shell to different locations along the diveline, such as beside the fish; under the turtle; up from the red fish, down from the green fish, above the starfish, in between the whale and seahorse.
- Step 4. As students are moving along the dive line ask them to say when they are moving in a straight line / curved line.

Extension for Senior Infants:

- Step 5. Ask students to move the shell near the boat, far from the boat and to the left and right of the diveline.
- Step 6. Ask students to place their shell on a spot of their choosing along the diveline. Take turns asking students to state their location along the diveline to the other students in the class.

2-D SHAPES

- Step 7. Provide the Worksheet of the 2-D shapes to each student. Ask them to answer the questions 1-10.

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3-D SHAPES

- Step 8. Provide students with a selection of shells from the seashore. Ask them to sort them according to shape.

Extension for Senior Infants:

- Step 9. Provide students with the Worksheet with the seashells pictures. Ask them to answer the questions 1-5.

Outcome / Objective:

The children in the class should have developed an understanding of vocabulary of spatial awareness positions.

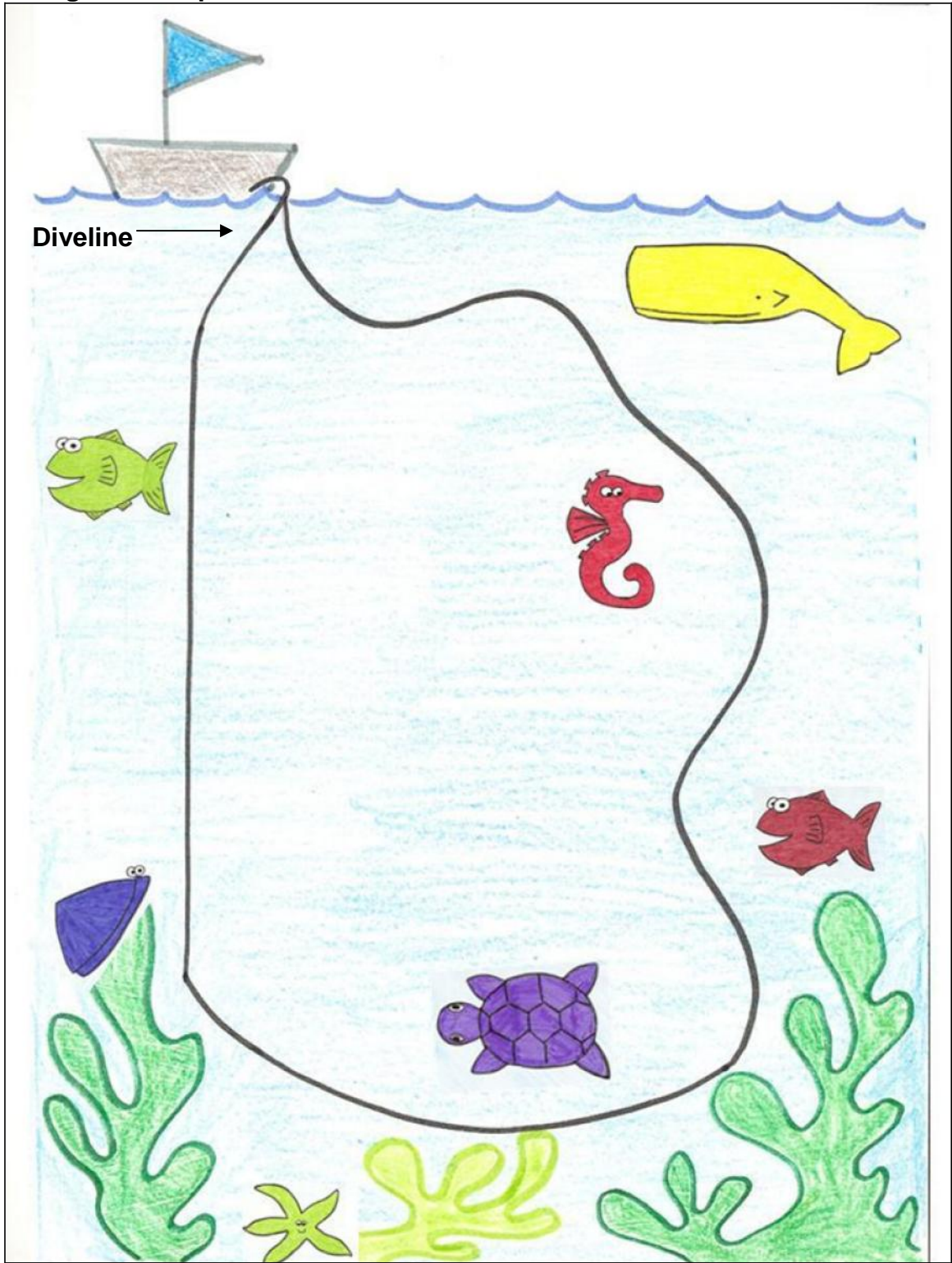
At Senior Infants level student should be able to problem solve involving shape and space.

The children in the class should have developed skills in the following:

- **Applying and problem solving**
- **Communication and expression**
- **Reasoning and implementing**
- **Understanding and recalling**



Diving in the Explorers Ocean





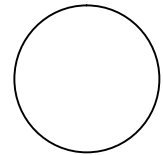
2-D Shapes

Draw a line connecting the shape with its name

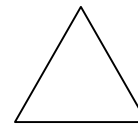
Circle



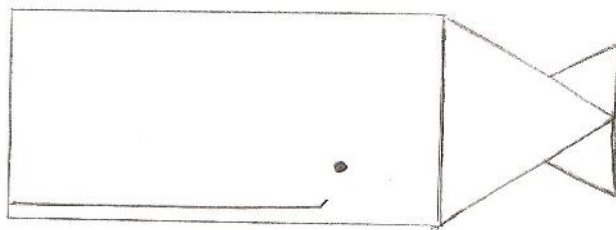
Triangle



Rectangle

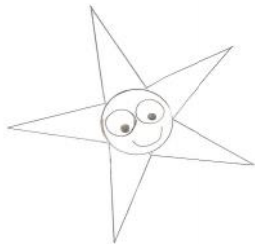


How many shapes can you see in this picture? _____



Draw what type of shapes you can see in the whale:

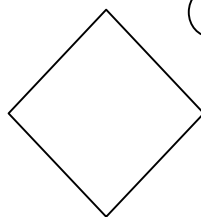
How many shapes can you see in this picture? _____



Draw what type of shapes you can see in the starfish:

Create a marine animal with the following shapes:

Clue: It might look like this





Seashells

Are the shells below made up of two parts/halves or one?

Circle the correct answer

Q1. Mussel



Two parts

One part

Q2. Periwinkle



Two parts

One part

Q3. Razor shell



Two parts

One part

Q4. Cockle



Two parts

One part

Q5. Limpet



Two parts

One part