

# WORLD OCEANS DAY

## The Deep Blue Ocean

### Activity 1

#### Multiple Intelligences in Activity 1

**Logical Mathematical Intelligence** – the children use their reasoning to predict what will happen in an experiment.

### Background

World Oceans Day was first proposed at the Earth Summit in Rio, Brazil in 1992, it is organised by The Ocean Project and the World Ocean Network. Their aim is to celebrate the international importance of the ocean, how it generates oxygen, helps feed us and cleans water amongst other things. This special day hopes to encourage people to learn about the ocean and change our habits to help protect the ocean.

### You will need:

- two clear containers for water
- cold water
- warm water with blue food dye in it
- water with salt and blue food dye in it
- oil (any type of oil)
- a plastic fish or duck (optional)

### Instructions:

1. Talk to the children about how our oceans and seas are full of water and that you are going to do a couple of experiments with water.
2. Fill the container with cold water; tell the children you are going to mix warm water in the cold and ask them to predict what will happen. Slowly pour the warm blue water into the cold water and observe how the warm blue water rises to the surface.
3. Now, take the other container and fill it with water. Tell the children you are going to mix fresh

water and salt water and ask them to predict which water will be heavier and will appear at the bottom of the container. Slowly pour the blue salt water into the fresh water and observe how the salt water will sink to the bottom as it is heavier.

### Follow-up activity:

As a final experiment ask the children what will happen if you pour oil in water, will it float or sink? Pour oil in the water and the children can observe how it floats. Talk about how if oil is spilt in the ocean it harms sea life and to illustrate this you can place the plastic fish in the water so the children can observe how it becomes covered in oil.

**Note:** Talk to the class about how we must take care of the ocean and not pollute it. About 70% of the Earth's surface is covered in water and about 96% of this is in oceans. Ask the children if they have ever noticed any pollution at the beach, what was it?

### Fast Finishers:

In the Fast Finisher's Worksheet the children trace over the dotted line to draw the animals and then they can colour in the picture.



