

**Growing WILD**  
**The Deep Blue Sea**

<b>Name of Steam Activities</b>	<b>Materials for STEAM Activities</b>
<b>Activity #1</b> <b>What lives in the ocean?</b>	<b>globe</b> <b>ocean animals</b> <b>Names of the ocean of the world</b>
<b>Activity #2</b> <b>Ocean in a bottle</b>	<b>water bottle</b> <b>water</b> <b>blue food coloring</b> <b>Oil</b>
<b>Activity #3</b> <b>What is in a tide pool?</b>	<b>Dish pan or plastic bin</b> <b>Lots of rocks and stones in various sizes</b> <b>Mini toy sea creatures</b> <b>Water</b>

<b>Name of Steam Activities</b>	<b>Materials for STEAM Activities</b>
<b>Activity #4 Ocean Animal sort</b>	<b>animal sorting cards Picture of the ocean and beach scene (you may draw these images.)</b>
<b>Activity #5 Beach Bucket Grid Game</b>	<b>Beach Grid sheet small sea shells dice</b>
<b>Activity #6 Comparing Sea Shells</b>	<b>assorted sizes of sea shells assorted colors of sea shells assorted textures of sea shells</b>

## Activity # 1

### What lives in the ocean?



#### Materials:

- globe
- ocean animals

#### Instructions:

What are the names of our oceans?

Pacific Ocean, Atlantic Ocean, Indian Ocean, Arctic Ocean, and the Southern Ocean

Where do some ocean animals live?

In the water, on the rocks, on the ocean floor, and the beach.

Do ocean animals live in one area or do they migrate?

Some animals do migrate from the north to the south. It also depends on what type of animals.

## Activity # 2

### Ocean in a Bottle



#### Materials

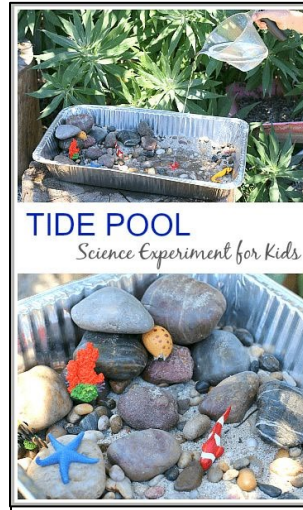
- Water bottle
- Water
- Blue food coloring
- Vegetable Oil

#### Instructions:

1. Fill the bottle with approximately  $\frac{1}{3}$  of water.
2. Add 2 drops of blue food coloring.
3. Fill the bottle with oil.
4. Tilt the bottle back and forth to mimic waves

## Activity # 3

### What is inside a tide pool?



#### Materials:

- Dish pan or plastic bin
- Lots of rocks and stones in various sizes
- Mini toy sea creatures Water

#### Instructions:

1. Fill pan with sand, stones, and mini sea creatures
2. Fill with water and observe
3. Now take out the water a cup at a time
4. What is happening to the animals?
5. What do you observe when you move the pan to demonstrate waves?

## **Activity # 4**

### **Ocean Animals sort**



#### **Materials:**

- **The Deep Blue Sea card**
- **Crayons**

#### **Instructions:**

- 1. Color the sea animal cards**
- 2. Sort them by**
  - **swims or float in the water**
  - **in or on the sand at the bottom**
  - **on rocks on the ocean floor**
  - **in the air above the ocean**

**\*There is a symbol on the right side to indicate what part of the ocean each animal spends most of its time.**

# Activity # 5

## Beach Grid Game



### Materials:

- Beach Grid sheet
- Shells
- Dice

### Instructions:

1. Choose a 10 or 20 beach grid sheet
2. Roll either one or two dice
3. Count the number of the dice and place a shell for each number
4. Continue until the sheet is full
5. Optional--you can add the two dice together

## Activity # 6

### Comparing Seashells



#### Materials:

- Assorted sea shells

#### Instructions:

1. Look at seashells
2. Find shells that are the same size?
3. Find shells that are the same color?
4. Sort shells from the smallest to the largest?