

## Fish Adaptations COVID-19 Modifications

**Due to social distancing guidelines in the classroom, this resource box has been adapted to abide by those social distancing standards put in place.**

### **Material changes:**

- Paper towels and cleaning spray has been added to clean magnifying glasses after use.
- Additional fish are included as available (teacher can have students work individually or in small groups).
- Each student will receive an Adaptation Chart (paper copy that would need to be printed ahead of time).
- Each student will receive their own specimen tray that will also need to be cleaned after use.

### **Procedure changes:**

- Each student will conduct their activity by themselves following the instructions of the teacher.
- Tray and magnifying glass should be cleaned after use. Materials will be cleaned a second time on site at VIMS.

**C B N E R R - V A**

**Wetland Functions  
COVID-19 Modification**

**Due to social distancing guidelines in the classroom, this resource box has been adapted to abide by those social distancing standards put in place.**

**Procedure changes:**

- **Teacher will lead the Wetland Function Activity as a demonstration for the class.**
- **Teacher will lead the Wetland Metaphor Activity as a demonstration for the class.**

**Due to social distancing guidelines in the classroom, this resource box has been adapted to abide by those social distancing standards put in place.**

### **Activity 1: Effect of Ocean Acidification**

#### **Material Changes:**

- Disposable cups have been added (clear)
- More straws have been added
- More pH papers have been added

#### **Procedure Changes:**

- Each student will receive a disposable cup and a disposable straw. Students will fill cup with tap water and add a drop or two of Bromothymol Blue pH indicator to their water.
- Student will test pH with the pH paper and record their answer.
- Student will then blow into the cup using their disposable straw, noting any changes in the color of the water (about 45-60 seconds).
- Student will test pH again with the pH paper and note and changes.
- Straws and cups can be thrown away after the activity.



## Activity 2: Vanishing Chalk/Egg

### Material Changes:

- More chalk have been added
- More disposable cups have been added (clear)

### Procedure Changes:

- Each student will receive a clear disposable, filled halfway with vinegar.
- Student will drop a piece of chalk into the cup, making observations.
- Egg experiment will be a demo or show video:  
[https://www.youtube.com/watch?v=\\_vs5W8xvkx0](https://www.youtube.com/watch?v=_vs5W8xvkx0)

## Activity 3: Climate Change on Fishes

### Material Changes:

- Instead of a tarp, use a whiteboard or chalkboard with the game board drawn on it.
- Magnets or tape can be used to hold cards on the board.

### Procedure Changes:

- Students will be assigned a fish, as usual, but the teacher could be responsible for moving the fish on the board, per the students' instructions.