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.
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=_vs5W8xvlx0

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.