

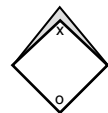
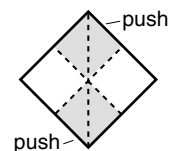
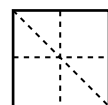
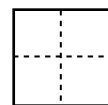
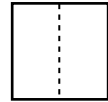
Lesson Eleven - Create an Origami Book

Objective: Students create a unique book to share their knowledge of vernal pools.

Materials: 2 squares (5" X 5") colored tag board (per student)
4 squares (8 ½" X 8 ½") white construction paper (per student)
Glue

Procedure:

- Students need clean hands! These books are best made in small groups with lots of peer coaching.
- Fold the paper in half - corners to corners to create two equal rectangles. Crease the fold well. (This is the secret to excellent origami books!)
- Open up the paper. Fold the paper in half again to create two more equal rectangles. Crease well.
- Open up the paper. Fold the paper in half along the diagonal – creating 2 (congruent and right isosceles) triangles. Crease well. (**Make only 1 diagonal fold!**)
- Open the paper. The fold should have created two small squares diagonally opposite each other and two other small squares diagonally opposite each other that are divided into triangles.
- Next gently push in the corners that have triangles. This will create a small square that has a square top, two sets of triangles that make squares and a square base.
- Make a small “x” on the top corner of the page where it opens. On the diagonal opposite corner make a small “o”. Label each page this way.
- Next apply a thin line of glue around the perimeter of one square. Place that square down so that the opening is facing you and the glue is on top.
- Attach the next square on top such that you match the “x” with an “o” at the corners.
- Next apply a thin line of glue on top of the two attached pages. Again match each “x” with an “o” when attaching. Continue in this fashion until all four pages are attached.
- Next attach book to tag board covers. Apply thin line of glue around the perimeter of one end of the book. Place that end onto one of the covers so that it is centered.
- Apply glue to the perimeter of the other end of the book. Place cover on top. Make sure that you line up this cover with the other cover.
- Place book under weight until the glue dries.
- Students write and illustrate at least 15 to 20 vernal pool facts on squares and triangles.



Evaluation/Extension:

- Students complete an Origami Book.
- Share books with buddy class.
- Hang books at Open House.
- Display books at local library or any appropriate public facility.