Watershed Address Lesson

Lesson Focus and Goals:
The focus of this lesson is on how water flows over the local landscape where students live or go to school. The goals are to become familiar with the local water ways and illustrate how students are connected to their local environment.

Materials Needed:
1. Envelope for each student
2. Printed maps of local watershed for each student
3. Pencil and markers/Crayons
4. Blue paper and scissors
5. Accesss to youtube (optional)

Learning Objectives:
1. Name and map where water flows from school or home to ocean.
2. List the path a migratory fish would take to reach school or home from the ocean.
3. Write an action students can take to protect their water.

Teacher Preparation:
1. Print the WATERSHED maps and WATER PATH maps for each student by going to : modelmywatershed.org/draw (instructions/example included)
2. Review Watershed Address Lesson power point. (included)
3. Review "What is a watershed?" video: https://www.youtube.com/watch?v=uaZPO7dgEnk
4. Make large example envelope for students to view with address.

Student Activity:
1. Teacher leads Watershed Address power point lesson.
2. Watch "What is a Watershed video"
3. Using WATERSHED map, outline boarders of local watershed and color in the land making up that drainage basin.
4. Using WATER PATH map, draw the path a drop of water flows from school or home to the closest ocean. Observe the names of each stream, river, lake, and ocean along that path.
5. On the envelope, write down the path a migratory fish, like an American Eel, would need to take to get from that ocean to the school or home. (example provided)
6. Cut out blue paper in the shape of a water droplet. On that paper, write/draw one thing that can be done to protect the watershed or stream. (example provided)
7. Put maps and water droplet in envelope.
REFLECTION AND ASSESSMENT:

1. WHAT IS THE NAME OF THE CLOSEST STREAM TO YOUR SCHOOL/HOME?
2. WHAT IS THE NAME OF THE OCEAN THAT WATER DRAINS TO FROM YOUR SCHOOL/HOME?
3. WHAT IS A WATERSHED?
4. WHAT ARE SOME OF YOUR ACTIONS THAT IMPACT YOUR WATERSHED?
5. IF A MIGRATORY FISH, LIKE AN AMERICAN EEL, WANTED TO FIND YOUR SCHOOL/HOME, WHAT PATH WOULD IT TAKE TO GET THERE?

WATER DROPLET EXAMPLE:

WATERSHED ADDRESS EXAMPLE:
**Maps for Watershed Address Lesson**

Students will need a map delineating the boundaries of the watershed (WATERSHED MAP) to trace and a map showing the path that water flows from their school (WATER PATH MAP) to the closest ocean. Here are instructions for teacher to create and print these two maps for students to use in classroom.

**WATERSHED MAP:**

1. Go to modelmywatershed.org/draw/
2. Enter the school or home address in the upper right-hand box
3. Under LAYERS select "USGS Subwatershed unit (HUC-12)"

Example WATERSHED Map for George Washington Elementary School, Kingston, NY 12401:
WATER PATH MAP:

1. Go to modelmywatershed.org/draw/
2. Enter the school or home address in the upper right-hand box
3. Choose 1 or 2 sizes so students can find names of waterways leading from their school/home to the closest ocean, which they will need to write their watershed address.

Example WATER PATH Map for George Washington Elementary School, Kingston, NY 12401