



Y-CITYSCI: A Youth-Led Citizen Science Network for Community Environmental Assessment

Environmental Assessment Curriculum: Lesson 14

Grade Level: Middle school

Duration: 1 hour

Presentation Preparation

Next Generation Science Standards

Science and Engineering Practices:

6: Constructing Explanations and Designing Solutions

7: Engaging in Argument from Evidence

Objectives

1. Students will construct research project posters.

Materials

- Laptop/tablet (1 per group)
- “Research Project Planning” sheets (completed from previous session)
- Data visualization (completed from previous session)
- Written poster sections (completed from previous session)
- Research Poster template
- Research Poster example
- Poster board (1 per group if cannot print digital posters)

Activities

Activity 1: Break students into their research group and make sure they have all of the materials they need to complete their posters. Have students finish any written materials, exchange work to have other team members edit, and put all of their work together onto their research poster. Once all posters are made, have students share them with you for your final feedback. (45 minutes)

Activity 2: Once students complete their posters and you have approved their final posters, give the students time to plan how they will divide the oral presentation amongst group members. Then take the remainder of the class to have the groups



practice presenting. Give the groups a time limit for their presentations based on the amount of time and number of groups participating in the Science Cafe.

Discussion: Have each group turn their posters in to you and let them know that their final research posters will be presented to members of their community during a Science Cafe held during the next and final session.

*The instructor must be sure to print all posters for the Science Cafe.