

Lesson Plan – Week 6 – August 6 – August 8

Landscape Design – How to Transform Vacant Lots into Environmental Landscapes that are Good for the Community and Reduce Stormwater Runoff

Two and One-Half Hours

Goals

- Students will be introduced to basic principles of landscape design
- Students will be introduced to best management practices for stormwater control
- Students will be introduced to process of measuring spaces and layout
- Students will begin to learn the historical and cultural context of vacant lots and current neighborhood uses of such lots

Objectives

- Students will evaluate a vacant lot at Fairmount and Haverford Avenues as potential stormwater retention sites
- Students will size and evaluate the topography of the vacant lot
- Students will review potential stormwater detention management options
- Students will create a conceptual design for the lot that integrates the community' cultural and historical fabric, community need and environmental benefit

Related Activities for the Lesson

Activity #1 – Site work – Students will measure out layout for the planned park/outdoor classroom/BMP site to mark out path, drainage trench, benches, etc.

Activity #7 – Landscape design – Students will work on their individual conceptual BMP design for the vacant lot at Fairmount and Haverford Avenues.

Activity #8 – Mural Design – students will begin designing the urban water cycle mural to be installed at the vacant lot.

Glossary of Watershed Project Terms

Refer to previous glossary

**Best Management Practices**

**Stormwater Runoff**

**Vacant Lot**

**Watershed**

### Lesson Narrative

Peter, could you fill in a summary of what you will be talking about?

### Discussion Questions

And what you want the kids to think about too!

### Materials Needed

- Glossary
- Examples of Urban BMPs
- Tape Measure
- Surveyor stakes
- Surveyor flags
- Paint stick
- Colored Pencils
- Architectural sketch paper

### Student Assessment

I know that ....

I want to know .....

I learned that.....

Have students share and talk about their conceptual designs