



Post-Field Experience Activities and Resources

Stormwater Investigations and Solutions

- **Stormwater Management Lesson Plans for Grades 3-12**
Chesapeake Bay Trust
“This booklet includes a set of lesson plans for 3-12 school teachers that enable environmental and STEM learning opportunities to be taught on school grounds. The focus of the lesson plans is on improving local water quality through schoolyard interventions. The interventions include rain gardens, rain barrels, green roofs, permeable paving, etc. Environmental topics include hydrology, soil properties and plant communities. Science lessons are practiced through repeated observation, analysis and systems modeling.”
<https://cbtrust.org/wp-content/uploads/EPA-SW-Lesson-Plan-Book.pdf>
✪ **Activity We Love: Permeable Pavement**
- **Stormwater Solutions (Multiple Activities)**
Alice Ferguson Foundation
“A hands-on, STEM curriculum to engage students in urban stormwater issues and solutions aligned to middle and high school Next Generation Science Standards.”
<http://fergusonfoundation.org/wp-content/uploads/2012/04/Stormwater-Solutions.pdf>
✪ **Activity We Love: Natural Vs Urban Water Cycle**

Watershed Threats

- **“Algae Blooms Affect Great Lakes Drinking Water”**
PBS Learning Media
“Dissolved phosphorous – believed to be caused by agricultural run-off – is leading to dangerous algal blooms which are in turn threatening the water quality of Lake Erie. In this video from SciTech Now, learn how researchers and farmers alike are developing novel solutions to prevent this dangerous run-off from polluting the water system.”
<https://ny.pbslearningmedia.org/resource/stn15.sci.life.algblm/algae-blooms-affect-great-lakes-drinking-water/#.W0Om9dJKjIU>