
**Understanding Nonpoint Source Pollution Lesson Six:
“Decision Making: How Will You Protect Your Watershed from Nonpoint Source Pollution”**

Academic Question: What are the nonpoint source pollution best management practices that can help protect your local watershed from nonpoint source pollution threats?

What are several ways you personally can help protect your local watershed from nonpoint source pollution?

Objective(s):

- To evaluate and determine best nonpoint source pollution management strategies for local watersheds
- To participate in nonpoint source pollution prevention

Process (Activities):

1. Have students return to their Watershed Survey. Using the information they gained in the previous lesson, ask students to determine the top five nonpoint source pollution best management practices that should be employed in their local watershed. Students may need to return to EPA's Surf Your Watershed (<http://cfpub1.epa.gov/surf/locate/index.cfm>) and EPA's Enviromapper for watersheds (map2.epa.gov/enviromapper/) to further research their local watershed before they can make their determination.
2. Once students have made their selection, help students contact their local water authority to determine what nonpoint source pollution mechanisms are in place. (If possible, take a fieldtrip to observe these practices in place.)

Product/ Application: Have students determine one or more ways they can help protect their local watershed from nonpoint source pollution. These should be real world, hands-on activities such as:

- Storm drain stenciling
- Make and distribute non toxic alternatives to cleaning products, pest management, and lawn care
- Stream or riverbank revegetation
- Adopting their watershed

Assessment: Have students develop a community information brochure that teaches about nonpoint source pollution and its prevention. This brochure should be a demonstration of the knowledge students gained during this unit. Allow students to distribute the brochures to the community.

Time Frame: One to four 45 minute lessons

Grade Level: 6th- 10th

TEKS Correlation:**Science**

Grade 6: 6.1, 6.2, 6.3, 6.4

Grade 7: 7.1, 7.2, 7.3, 7.4, 7.8, 7.12

This curriculum was developed with education grant funds through the Texas Education Agency for nonprofit educational uses and cannot be sold or used for profit in any way. Special thanks to Texas Watch, the Environmental Protection Agency and the Texas Natural Resource Conservation Commission for the use of this curriculum.

Grade 8: 8.1, 8.2, 8.3, 8.4
Biology: (b)1, 12.D
Aquatic Science: (b)1, 4.B, 7B,C, 8.C, D
Environmental Science: (b)1, 5.A, B, C, E, F
Geology, Meteorology, and Oceanography: 10.C

Mathematics

Grade 6: 6.1, 6.8, 6.11, 6.12, 6.13
Grade 7: 7.3, 7.4, 7.9, 7.13, 7.14, 7.15
Grade 8: 8.5, 8.14, 8.15
Geometry: 6
Precalculus: 2

Technology Applications (Computer Literacy)

Grades 6-8: 2, 4, 5, 7, 8

Social Studies

Grade 6 6.21, 6.22, 6.23
Grade 7 7.8, 7.21, 7.22, 7.23
Grade 8 8.10, 8.30, 8.31, 8.32

English

Grade 6: 6.1, 6.2, 6.5, 6.13, 6.17, 6.20, 6.22, 6/24
Grade 7: 7.1, 7.2, 7.5, 7.13, 7.17, 7.20, 7.22, 7.24
Grade 8: 8.1, 8.2, 8.5, 8.7, 8.10, 8.13, 8.17, 8.18, 8.20, 8.22, 8.24
English I: 1, 4, 6, 8, 13, 15, 16, 21
English II: 1, 4, 6, 7, 8, 13, 15, 16, 21