

Clean Water Alabama Activity Book Lesson Plans

Objective: The Clean Water Alabama activity book is designed to educate children on the importance of preserving our beautiful waters.

Lessons and Activities: There are five lessons with 1-3 activities in each lesson.

Grades: 4th-6th grade

Time: 20-30 minutes for each activity.

Teacher Materials:

one-gallon bottle of water

eye dropper

two small clear glasses

pinch of dirt

teaspoon of salt

globe

large pie graph drawn on front board

ice cube

Student Materials

copy of CWA activity book

crayons or markers

pencil

paper for creating lists

Lesson 1 Water and the Earth

Activity 1

Objective: This activity demonstrates that most of earth is covered with water.

Hold up **globe** and ask students what part or per cent of the earth is water?
(75%)

Using **pie graph** on board, draw a slice that indicates 75%.

Shade large slice and label WATER.

Shade small slice and label LAND.

Have students draw similar a pie graph and color and label it.

Activity 2

Objective: This activity demonstrates that most of the water covering the earth is salt water.

Explain that this one-gallon bottle of water represents all the water in the world.

Ask students what percent or part of this water is salt water? (97%)

Using an eye dropper, remove a small amount from one-gallon bottle and squirt into clear water glass.

Place ice cube in the other small clear glass.

Pour the teaspoon of salt into water remaining in one-gallon bottle.

Lead discussion that plant and animal life on earth need fresh water to grow and survive. Only 3% of all water is fresh water and most is frozen in the icecaps and the snow on mountaintops. Small cup with ice cube represents this frozen water. This leaves only 1% of all water that is fresh and can be used for everyday activities. This 1% is represented by the water from the eye dropper.

Have students create lists with ten everyday uses of fresh water. After several minutes have some students share examples by making a list on front board.

Lesson 2 Storm Water Pollution

Objective: Learn that having clean water is important now and in the future.

Pass out Clean Water Alabama Activity book.

Open to page 3 and have students write their name where it states

This book belongs to _____.

Read together CLEAN WATER ALABAMA page.

Activity 2

Objective: Identify trash that is under the boat.

Make a list of all the items of trash that can be seen under the boat.

Add two more pieces that you know are in the water.

Have students create list on front board.

Students should then color the brown cloud.

Activity 3

Objective: Understand that storms in Alabama pour millions of gallons of water onto our land, buildings and our roads. Often these rains spread pollution to our rivers and bays.

Read together and discuss the page titled Storm Water Pollution.

Color and label map of Alabama.

Lesson 3 Wildlife

Objective: Identify the wildlife that inhabits the land and water.

Activity 1

Read together and discuss Wildlife Word Search Text.

Circle boldface words on next page.

Activity 2

Write a descriptive paragraph on one of the animals or birds that you just read about.

Be sure to include what it looks like.

Describe its habitat.

Share some of the paragraphs.

Lesson 4 Storm Water

Objective: Understanding that 50% all water pollution comes from storm water. Storm water falling on grass and trees is absorbed into the ground while storm water falling on buildings and streets will flow directly into our streams and rivers and other bodies of water.

Activity 1

Read and complete blanks in Storm Water Story.

Connect the Numbers and Letters on illustration of buildings and roads.

Turn page to illustration of tree. Connect the dots.

Discuss importance of water being clean.

Put a small pinch of dirt in glass with water and shake it up.

Discussion of how this dirty water might affect the wildlife.

Lesson 5 Activities on our beaches

Objectives: Understand that polluted water would spoil our beautiful beaches.

Activity 1

Read together Activities paragraph and complete Word Search on facing page.

Read together Pollution at our Beaches paragraph and complete Word Search on facing page.

Activity 2

Read together the letter from Coach telling how everyone can help clean up the beaches and their neighborhood. Always have an adult with you and use gloves or a grabber to handle the dirty items listed on the Scavenger Hunt page.

Activity 3

Describe the illustrated cover and how a community can benefit from clean water.

On the page facing the tree is a black and white copy of cover.

Have students color it.

