

Clean Water Alabama Coloring Book Lesson Plans

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

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

Grades: 2nd-4th

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 coloring 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 percent of the earth is water? (75%)

Using **pie graph** on board draw a slice that indicates 75% and shade in.

Label large slice WATER and label small slice LAND.

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.

Next, pour teaspoon of salt into water remaining in one-gallon bottle and shake up.

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 in snow on the 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 and Pollution

Activity 1

Objective: Recognize that many of our outdoor activities are on or near the water.

Pass out Clean Water Alabama coloring books.

Using list paper, ask students to write down all the fun activities on the cover of the CWA coloring book that are taking place on the beach. Have them add to 2-3 more activities that kids could do on the beach.

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

This book belongs to _____.

Read together CLEAN WATER ALABAMA page.

Students should then grab their crayons or markers and color illustration of kids picking up trash.

Activity 2

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.

Turn to page with tree. Connect the dots to complete tree.

Read and complete blanks in Storm Water Story.

Turn to page with illustration of storm water falling on buildings and roads.

Connect the Numbers and Letters.

Color these two illustrations.

Lesson 3 Pollution in our Water

Activity 1

Objective: Recognize that beaches and water can be polluted from trash.

Open CWA coloring book to page with illustration of boat in water.

Make a list and discuss items of pollution in the water.

Add two more items that also might be in the water.

Discuss these items of pollution. How did they get there and how can we clean this water?

Color illustration.

Activity 2

Objective: Identification of trash found in water.

Turn to Pollution Word Search Page.

Read together and then have students circle **Boldface** words.

Lesson 4 Fun Activities

Objective: There is an abundance of wildlife in and around our water.

Activity 1

Complete the maze and allow students to play Tic-Tac-Toe.

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.

Have students color illustration of children looking at ducks.

Lesson 5 Litter and Pollution on our beaches and in our water.

Objective: There is visible litter on our beaches and dirty pollution in our water.

Activity 2

Discuss illustration of boy raking up litter on beaches. Ask students if they have ever seen litter on their favorite beach.

Turn page and discuss the dirty storm water flowing into the bay.

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.

Students can color these last illustrations.