



Water Science with Wade

Cool educational videos by Gwinnett County Water Resources

Water Science with Wade is a professionally produced video series created for 3rd, 4th and 6th grade classrooms in Gwinnett County.

The videos use humor, animated graphics and live action to engage students and teach the importance of protecting and conserving our water resources. Each episode is aligned with Gwinnett's Academic Knowledge and Skills (AKS) science standards for the targeted grade.

Protecting Our Watersheds: **Third grade** students will identify sources of water pollution, learn how it impacts the environment and find out what they can do to help keep our waters clean. They will also explore the characteristics of watersheds and discover how water flows through Gwinnett County.

Water's Amazing Adventures: **Fourth grade** students will explore the water cycle, weather and the effects of drought. By following the journey that our water takes from Lake Lanier, they will see the different ways that we use water in our daily lives. Students will also learn how they can do their part to conserve water and prevent waste.

Planet H₂O: **Sixth grade** students take a closer look at all the ways we depend on water and realize that the amount water available for our use is extremely limited. Wade also demonstrates the processes of erosion, infiltration and the water cycle to help students understand how water impacts our planet.

To view these FREE educational videos online, or to download them for use in your classroom, please visit www.DWRconserve.com.

To receive a DVD copy by mail, please contact
Heather Moody
DWRschools@gwinnettcounty.com • 678.376.6722



Third grade AKS standards:

- Investigate the habitats of different organisms and the dependence of organisms on their habitat. (3SC_D2006-12)
 - 12a. differentiate among the habitats of Georgia and the organisms that live there
 - 12d. explain what will happen to an organism if the habitat is manipulated
- Explain the effects of pollution and humans on the environment. (3SC_D2006-13)
 - 13a. explain the effects of pollution (littering) to the habitats of plants and animals
 - 13c. identify various substances that contribute to the pollution of water and air and to the contamination of our environment

Fourth grade AKS standards:

- Differentiate between the states of water and how they relate to the water cycle and weather. (4SC_B2006-10)
 - 10a. demonstrate how water changes states from solid to liquid to gas
 - 10b. identify the temperature at which water becomes a solid and at which it becomes a gas
 - 10d. demonstrate and explain the water cycle and the role of evaporation, precipitation and condensation
 - 10e. investigate different forms of precipitation and sky conditions

Sixth grade AKS standards:

- Analyze the significant role of water in earth processes. (6SC_C2005-14)
 - 14a. explain a large portion of the Earth's surface is water, consisting of oceans, rivers, lakes, underground water and ice
 - 14a.1. illustrate the water cycle and relate various atmospheric conditions to its stages
 - 14b.1. identify the chemical and physical properties of water
 - 14d. analyze water conservation practices and issues