



# Water Resource Center

## Classroom Visits - We come to you!

Let us bring FREE NGSS-aligned water lessons into your classroom! Our lessons cover topics related to the engineered water cycle.

### Virtual Wastewater Reclamation Facility Tour

Take a short walking tour of the Spokane County Water Reclamation Facility to learn about the incredible engineered process that transforms dirty wastewater into three reusable products: clean water, bio-solids and energy.

**DCIs:** ESS3.C, ETS1.A, ETS2.B  
**Science & Engineering Practices:** Asking Q's, Defining Problems, Constructing Explanation, Designing Solutions  
**Crosscutting Concepts:** Systems and System Models, Energy and Matter: Flows, Cycles, and Conservation, Structure and Function

### Aquifer Manager

Using an aquifer model, students work in groups to manage several wells on their shared aquifer. As an 'Aquifer Manager' apply problem solving to adapt to changing conditions including pollution contamination, climate change, drought and population growth. Students will understand how conservation can be applied to manage resources wisely.

**DCIs:** ESS3.C, ESS3.A, ESS2.C  
**Science & Engineering Practices:** Developing and Using Models, Engaging in Argument from Evidence  
**Crosscutting Concepts:** Cause and Effect, Energy and Matter: Flows, Cycles and Conservation, Scale Proportion and Quantity

### Water Science Career Presentation

Water Science is a fun and rewarding career with growing demand. A Water Scientist from the Spokane County Water Resource Center will visit your classroom to share water career pathways. After a presentation students can have an informal Q & A with questions they've prepared.

## Grades 9 - 12

**50 minutes**

We bring Water Education to YOU with interactive models and dynamic presentations.



## Request your classroom lesson online!

Sign-up: <https://bit.ly/3eKseup>

### Questions?

Contact Laura: 509.477.7258 | [lgoff@spokanecounty.org](mailto:lgoff@spokanecounty.org)



**Spokane County**  
Water Resource Center