Overview:

Water is in limited supply, but it is critical for all survival. Without it, life would not exist! This course focuses on three important areas.

1. Module One, Water Systems – How You Get Your Water
2. Module Two, Water Conservation – Saving Our Scarce Resources

Learning Objectives - when you are finished with these three modules, you will be able to:

1. Summarize what a water and/or wastewater utility does
2. Discuss water pollution, conservation, and the value of water
3. List a variety of water utility careers
4. Explain why you might choose a water industry career

Agenda:

0:00 - 0:02 – Introduction
0:03 - 0:18 – Module 1: Water Systems – How You Get Your Water
0:19 - 0:34 – Module 2: Water Conservation – Saving Our Scarce Resources
0:35 - 0:50 – Module 3: Water Careers – Your Future in Water
0:51 - 0:58 - Summary and Q & A
0:59 - 0:60 – Thank you, additional resources, scholarship and career information
Water Utilities & Source Water

Water utilities' 1st job is to oversee water in nature ("source water"). Source water is either:

- surface water (lakes, rivers, reservoirs), found above the Earth's surface
- groundwater (found below the Earth's surface; sometimes also called an "aquifer")

Source water is unsafe to drink. Do you know why?

Can you think of some reasons why source water might be unsafe to drink?

1. ____________________________
2. ____________________________
3. ____________________________
4. ____________________________

What does it mean when we say water utilities "treat" water?

____________________________________

____________________________________

____________________________________

____________________________________

Notes:
Activities for Module 2, Water Conservation – Saving Our Scarce Resources

Do You Know…????

• How much water should humans drink each day?

• How much of the Earth’s surface is made of water?

• How much of the water on Earth is suitable for drinking?

Can you answer these questions?

1. How much water do humans need daily? ______________________

2. How much of the Earth’s surface is water? ______________________

3. How much of Earth’s water is OK to drink? ______________________

Conservation: for Life

• One person makes a difference
• You are not alone – others will join/follow
• Everyone has a stake
• We must conserve for future generations

Name as many ways as you can think of to prevent water pollution & conserve our water supplies

• ______________________
• ______________________
• ______________________
• ______________________
• ______________________

Notes:
There are many careers in the water industry. But no matter what career you choose, water industry employees all share one important job. It is the one thing that all of these workers have in common. What is that job?

_______________________________________  
_______________________________________  
_______________________________________  
_______________________________________  

Should you work in water? List some reasons that a water industry job might be a good career move.

1. ____________________________________  
2. ____________________________________  
3. ____________________________________  
4. ____________________________________  
5. ____________________________________  
6. ____________________________________  

Notes:
Additional Resources:

- DrinkTap.org: http://www.drinktap.org
- Only Tap Water Delivers: http://www.awwa.org/resources-tools/public-affairs/communications-tools/only-tap-water-delivers/only-tap-water-delivers-materials.aspx
- Rocky Mountain Section of the American Water Works Association: http://rmsawwa.org/getintowaterco/index.html
- United States Environmental Protection Agency (EPA): https://www.epa.gov/students
- Water Environment Federation: http://www.wef.org/
- Work for Water: http://www.workforwater.org/