

MON. DEC. 4TH

TUE. DEC. 5TH

WED. DEC. 6TH

THU. DEC. 7TH

FRI. DEC. 8TH

7th Grade Science
Chapter 14 Water: Phenomena "Will There Be Enough Fresh Water to Meet the Needs of a Growing Population?" Explore

Standards

MS-ESS2-4 Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.
MS-ESS3-3 Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.
MS-ESS3-4 Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.

Objective

Students will be able to explain the human impacts on groundwater.

Critical Questions

1. Describe the movement of water from the ground to the surface and why is this an essential process for keeping streams flowing?
2. How could putting wells near a stream affect the flow of water in the stream?

Entice

Data Interpretation Graph

Engage

Class reading and discussion on "groundwater and surface water" <http://authoring.conc.org/activities/7661/pages/100041/6d7b47dd-002e-49ea-b4ec-7ac78ac02cb>

Assessment

7th Grade Science
Chapter 14 Water: Phenomena "Will There Be Enough Fresh Water to Meet the Needs of a Growing Population?" Explore

Standards

MS-ESS2-4 Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.
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MS-ESS3-4 Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.

Objective

Students will use computational models to describe the effects of pumping groundwater from urban areas and rural areas.

Critical Questions

1. How does the placement of pumps can affect the water level in streams, rivers, lakes, and ponds?
2. What types of sediment/rock will allow for the fastest recharge of aquifers?

Entice

Data Interpretation Graph

Engage

Class reading and discussion on "Using groundwater wisely" <http://authoring.conc.org/activities/7662/pages/100048/46b2bd07-c101-4685-a303-30593c8ccd22>

Assessment

7th Grade Science
Chapter 14 Water: Phenomena "Will There Be Enough Fresh Water to Meet the Needs of a Growing Population?" Elaborate

Standards

MS-ESS2-4 Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.
MS-ESS3-3 Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.
MS-ESS3-4 Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.

Objective

Students will demonstrate knowledge of central question of phenomena through writing.

Critical Questions

1. How would your life be impacted if we ran out of fresh water?
2. Will a lack of fresh water impact global security?

Entice

Data Interpretation Graph

Engage

Writing Assignment <https://docs.google.com/document/d/1SnPnGx1SpHk4AZvPEnc6ryTWupS4fo2Ao0ppb8Z1jcE/edit>

Assessment

Per Rubric
Writing Rubric.pdf

Accommodations & Modifications

7th Grade Science
Chapter 14 Water: Phenomena "Will There Be Enough Fresh Water to Meet the Needs of a Growing Population?" Elaborate

Standards

MS-ESS2-4 Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.
MS-ESS3-3 Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.
MS-ESS3-4 Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.

Objective

Students will demonstrate knowledge of central question of phenomena through writing.

Critical Questions

1. How would your life be impacted if we ran out of fresh water?
2. Will a lack of fresh water impact global security?

Entice

Data Interpretation Graph

Engage

1. Finish writing assignment
2. Review for test

Assessment

Per rubric

Accommodations & Modifications

Reflections

7th Grade Science
Chapter 14 Water: Phenomena "Will There Be Enough Fresh Water to Meet the Needs of a Growing Population?" Exam

Standards

MS-ESS2-4 Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.
MS-ESS3-3 Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.
MS-ESS3-4 Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.

Objective

Students will demonstrate knowledge through test

Entice

Review for exam

Engage

Exam

Assessment

Exam is assessment

Accommodations & Modifications

Reflections

Post one thing that you learned about today on the wonder wall

Accommodations & Modifications

Reflections

- What did we do in class?
 - Why did we do it?
 - What did I learn today?
 - How can I apply it?
 - What questions do I have about it?
-

Reflections

Accommodations & Modifications

Reflections