

Lesson Plan – Social Studies

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Topic	Water Cycle
Unit	Natural Resources
Subject	Geography
Grade	Grade 4
Time	50 minutes

PA Standards

- 7.2.4. B Explain the dynamics of the fundamental processes that underlie the operation of Earth's physical systems.
- Water cycle

NCSS Theme

People, places and environment

Objectives

After this lesson student will understand the dynamics of water cycle by learning the terms evaporation, condensation, infiltration, runoff, and freezing, and by playing the online games and do the online quizzes.

Materials

Website

<http://earthguide.ucsd.edu/earthguide/diagrams/watercycle/index.html>

Computer lab or classroom where at least three students can share a computer

Instruction

1. Warm up questions and setting up the equipment. **(10 minutes)**
 - Where does water come from?
 - Where does rain come from?
 - Where does snow come from?
 - Where does the water in the river go?
 - How do plants get water from underground?
 - Why is there water in the sky?
2. Guide student to play the games online. **(10 minutes)**
3. Facilitate discussion on personal experiences about water cycle. **(15 minutes)**
 - Rain/snow falls
 - Water goes to rivers, rivers go to lakes, seas or oceans
 - Water sinks into ground
 - Water is evaporated into air
 - Water is drawn by plants

- Plants withered under hot sun
- ...

4. Integration: Economy - Farming

Assessment

Do online quiz located in the same webpage. **(15 minutes)**