

Microteaching Lesson Plan

TCH 347- 03 MW, Han Liu

Topic: Water Cycle

Unit: Natural Resources

Subject: Geography

Grade: 6th

Time: **45** minutes

PA Standards

7.2.9. 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.

The Learner

- Student Previous Knowledge
Students have the knowledge of kinds of natural resources, and water bodies
- Student Special Needs
There two students who are visual learners, and one student whoes English is her second language, and one student who has the problem of mild ADHD.

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. **(10 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
5. Special attention: Keep eye contacts with the student with mild ADHD during instruction, individually interact with the student who has language efficiency issues during the time when others are doing the quiz online.

Assessment

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