Title of Lesson: **The Water Cycle!**
Theme: **Earth/Space Science**
Unit Number: 1   **Unit Title: Water, Water, Everywhere**
Performance Standard(s) Covered (enter codes):
        s1cs3

Enduring Standards (objectives of activity):
        Habits of Mind
                ⊠ **Asks questions**
                ☐ **Uses numbers to quantify**
                ☐ **Works in a group**
        ☐ **Uses tools to measure and view**
        ☐ **Looks at how parts of things are needed**
        ⊠ **Describes and compares using physical attributes**
        ⊠ **Observes using senses**
        ☐ **Draws and describes observations**

Content (key terms and topics covered):
Evaporation
Condensation
Precipitation
Solid
Liquid
Gas
Vapor
Steam
boiling
melting

Learning Activity (Description in Steps)
Abstract (limit 100 characters): This lesson teaches the students about the water cycle.
Details: 1. On the smart board, load up the water cycle game (found here:http://apps.southeastwater.com.au/games/education_kidsroom_wcactivity.asp) This teaches the kids about the different parts of the water cycle
2. while the kids are playing the game, pour water into the beaker along with a few droplets of food coloring. Allow the beaker to heat up on the hot plate.
3. Gather the students and show them the water that is boiling. Ask them which part of the cycle they are observing.
4. To show condensation, place ice into the aluminum container and place the container on top of the beaker. Pick up the container- a cloud should form

5. To show precipitation, allow the container to sit on top of the beaker for a longer time. The bottom of the container should drip.

6. You can recap what the students observed by using the interactive game.

Materials Needed (Type and Quantity):
Beaker
Aluminum container
Hot plate
food coloring
ice
water
smart board

Notes and Tips (suggested changes, alternative methods, cautions):
I taught this to the entire class at the same time, but it may be easier if you divided the class into small groups and worked with a few kids at a time.

Sources/References:
1) http://apps.southeastwater.com.au/games/education_kidsroom_wcactivity.asp
2)
3)