Science Unit: Weather ; Grade 1

Content Area: **Science**
Course(s): **Science 1**
Time Period: **Marking Period 1**
Length: **September-December**
Status: **Published**

Established Goals/Standards

Please choose the appropriate Goals/Standards from the Standards tab above.

SCI.K-2.5.4.2.A.1	Determine a set of general rules describing when the Sun and Moon are visible based on actual sky observations.
SCI.K-2.5.4.2.A.a	The Sun is a star that can only be seen during the day. The Moon is not a star and can be seen sometimes at night and sometimes during the day. The Moon appears to have different shapes on different days.
SCI.K-2.5.4.2.F.1	Observe and document daily weather conditions and discuss how the weather influences your activities for the day.
SCI.K-2.5.4.2.F.a	Current weather conditions include air movement, clouds, and precipitation. Weather conditions affect our daily lives.
SCI.K-2.5.4.2.G.1	Observe and discuss evaporation and condensation.
SCI.K-2.5.4.2.G.2	Identify and use water conservation practices.
SCI.K-2.5.4.2.G.a	Water can disappear (evaporate) and collect (condense) on surfaces.
SCI.K-2.5.4.2.G.b	There are many sources and uses of water.

Essential Questions

Please add your Essential Questions by clicking on the Lists tab above.

- How do scientists learn about the world around them?
- How is weather important to our daily lives?
- What events can we observe in the sky?
- What is the source of the resources used to meet the basic needs of living organisms?
- Why is water important?

Enduring Understanding

Please add your Enduring Understandings by clicking on the Lists tab above.

- All living things need and use water.
- The Earth is a system, continuously moving resources from one part of the system to another.
- We can learn science by making and writing down observations.
- We can observe when the sun and the moon are visible.
- Weather effects our decisions in our daily lives.

Content

Student will be able to

- observe and document daily weather conditions
- discuss how the weather influences daily activities
- discover that water can disappear (evaporate) and collect (condense) on surfaces
- observe and discuss evaporation and condensation
- identify and use water conservation practices
- observe and describe when the sun and moon are visible in the sky
- engage in safe and accurate practices when designing, implementing and reporting investigations
- demonstrate how to use scientific tools and instruments
- engage in productive scientific discussion with peers
- demonstrate an understanding of the water cycle
- determine a set of general rules describing when the Sun and Moon are visible based on actual sky observations
- observe and document daily weather condititions and discuss how the weather influences your activities for the day
- determine what kinds of weather different clouds bring
- determine current weather conditions including air movement, clouds, and precipitation
- identify and use water conservation practices
- Identify and categorize the basic needs of living organisms as they relate to the environment (water pollution and what happens to living things)
- create a list of ways water is used
- explain why water is important
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Assessment

Permance Based Assessments:

Year long data collection of daily weather

Students learn and perform The Water Cycle Song. This includes motions that portray the stages of the water cycle.

Students engage in extensive hands-on water experiments that exhibit the properties of water.

Resources

Teacher generated ActivBoard Flipcharts

United Streaming

You Tube

Silver Burdett Ginn Science Discovery Works

Experiments/Observations/Journals

Treasure's Cross Curricular Lessons

Non-Fiction Science leveled readers

Non-Fiction Books from school library

Scholastic News First Grade Level

Mailbox Magazine activities (core curriculum aligned)

Teacher's Helper activities (core curriculum aligned)

Water experiments from teacher attended workshop (folder)

Water cycle song

Internet

websites: http://www.brainpop.com (booklet about Day and Night)

http://www.weather.com/weather/local/USNJ0496

http://www.groundwater.org/kc/whatis.html

http://www.groudwater.org/ta/kisprotect.html

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