Water Cycle Celebration

Summary

This mini-science fair project summarizes the unit on the water cycle.

Group Size

Individual

Materials

- <u>Water Cycle Celebration Proposal</u> (pdf)

Additional materials will vary according to student projects.

Instructional Procedures

Invitation to Learn

As a culminating activity, organize a water cycle celebration (mini water science fair). The intent of the water cycle celebration is:

to promote good classroom science

to provide students with the opportunity to demonstrate knowledge they have learned about the water cycle

to extend student learning to relevant water issues in their community.

The water cycle celebration could be spread over several days or utilize much of an entire day. It is suggested that the activity be initiated by discussing the celebration with students. Brainstorm ideas that relate to the standard objectives covered by the lessons. Encourage ideas by considering:

Activities that have been done in the unit and extensions to those activities

Water-related vocabulary

Potential field trips and resource persons

How the water cycle components influence student lives

Potential videos on storms, floods, water cycle, etc. for inclusion in a view-a-thon

Potential posters, projects, displays, or experiments that could be up for visitors to the classroom Water-related issues relevant to your community

Exhibitors that might share their assets (for example stream and groundwater models, or Having a water-related employment time for invited professional business people to share information about their jobs (hydrologist, water plant supervisor, laundromat operator, carwash owner, etc.)

For their projects, students might:

Create a water cycle music video or organize a sing-a-long

Research the role water played in establishing their community

Create a recipe booklet of simple products containing water

Have a water cycle-related sharing time during which students share events that happened in their families. They may share about floods, plugged drains, storms, wet clothing, recreational events in water, or how ancestors came to America.

Research local water supplies and concerns

Create a river model of the community

Demonstrate an evaporation model

Create a model showing how the lake effect works

Describe why Utah claims to have the greatest snow on Earth, or

Trace a water molecule through the water cycle using a narrative essay.

Instructional Procedures

Have students use the *Water Cycle Celebration proposal* to outline a plan for their project. Have students discuss their plans and obtain teacher approval signatures before starting the process.

Organize student projects into a meaningful opportunity and extend appropriate invitations to parents and other classrooms.

Assessment Plan

Prior to celebration proposal, create with students an evaluation tool (i.e., a rubric) to assess student understanding and performance. Use the background information and science language as guides to create an evaluation tool that adequately measures student understanding.

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