

Science Fair Project Ideas

Earth Science: Water (5-6)

Properties of Water

- How can human hair measure humidity?
- Does animal fur also measure humidity?
- Will pressure cause ice to melt even if the temperature is below freezing?
- Does salt dissolve more easily in hot, warm, room temperature, or cold water?
- Does the boiling point of water change at different elevations?
- How long does it take water that is 100° F to return to room temperature?
- Which insulating material keeps an ice cube frozen the longest?
- Does water temperature affect an object's buoyancy?

Water Conservation

- How much water is used in my house everyday?
- How much water could be harvested from my roof during a thunderstorm?
- How much water is wasted if I leave the water running while brushing my teeth?

Erosion, Deposition, and Controlling Water

- How do glaciers change the landscape?
- How does the slope of a hill influence erosion rates and patterns?
- Does nature or mankind cause more erosion on Earth?
- How are the volume and flow of a river related to the size of sediment particles it can move?
- Do sandbars form randomly, or in predictable patterns?
- When a dam blocks a river, does the water pool behind it in a predictable pattern?
- How do dams affect the species that live in a river?



MORE Science Fair Project Ideas

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Water on the Ground

- How warm is it under the snow?
- How does a river's flow change during and after a rainstorm?
- What kind of soil holds water the best?
- How does soil filtration of water affect pH?
- What natural materials work best at filtering water?
- Does adding food coloring to water affect how long the water holds its heat?

The Movement of Water

- How do water and air temperatures affect evaporation?
- Does wind affect evaporation?
- How do clouds form?
- Do the dimensions of a container affect evaporation rate?
- How does humidity affect evaporation rate?
- How does humidity affect condensation rate?
- Do additives such as salt or soap affect the evaporation rate of water?

Water Uses

- How effective is the water cycle at removing pollutants compared to human efforts?
- Can people distinguish between the tastes of bottled and tap water?
- What is the pH of local water in various locations?
- Is plant growth affected by water that has been microwaved?
- Is plant growth affected by reclaimed water?
- What do water filtration systems remove, and what remains?
- What pollutants can be detected in our local drinking water?

Precipitation

- How acidic is rain?
- Do rain gauges of different shapes and sizes measure rain equally?
- When snow melts, how much water does it make? Does this stay the same from one snowstorm to another?

