



Planes, Rain, and Atmosphere

DFW Airport Earth Day 2021

DFW

Water Quality Kit Instructions



The water quality test kit provides enough materials for a class of 30 students, working in pairs. Have students sample various sources of freshwater such as a stream, lake, or pond. The provided handheld TDS and temperature meter allows students to test the water for Total Dissolved Solids (TDS) and Temperature. The test kit allows students to test the water for pH, Chlorine, Dissolved Oxygen, Nitrate, and Phosphate. See the Teacher Tips section of the provided Teacher Notes guide for more detailed instructions on collecting water samples and using the test kits. Students can compare values of pollutants in the different water bodies. Students can further research water quality, pollution, and the effects of pollutants.

Engage with participants in over 146 countries by monitoring water and sharing your data. Consider taking the Water Challenge through EarthEcho Programs at:

<https://www.monitorwater.org/>

Take an exciting virtual expedition through EarthEcho Expeditions and explore exciting virtual content focused on water resources.

<https://www.earthecho.org/expeditions>



As you and your students are working on the STEAM Activity Kits, we encourage you to capture your student's participation, directly or indirectly, by taking photographs and sharing with DFW Airport your school's fun energy and positive vibes.

Email photos to the following address – DFWearthday@dfwairport.com

The Dallas – Fort Worth International Airport Board (“DFW”) reserves the right to use video or still shot photography images for publicity use, which may include posting of photos/video of the Event on DFW Airport internal or external media sources. With this understanding, any photos sent to DFW Airport automatically grants your consent in allowing publication of the photos which may feature your students. If you have any questions concerning STEAM Activity Kit photos used during Earth Day 2021, please email DFWearthday@dfwairport.com.