



# Planes, Rain, and Atmosphere

DFW Airport Earth Day 2021

DFW

## Rain Gauge Kit Instructions

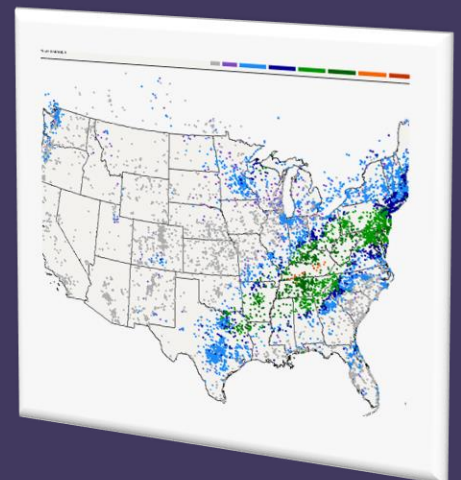


Your new rain gauge should be installed in an area that is protected from strong winds but is not bothered by obstacles that could either block precipitation from reaching the gauge or cause precipitation to splash towards it. The gauge should be installed 2-5 feet above the ground mounted on the side of a single post. The top of the rain gauge should extend several inches above the top of the mounting post. The mounting post should have a rounded, pointed, or slanted top to avoid upward splash towards the rain gauge. Go to <https://www.cocorahs.org/Content.aspx?page=equip> for more instructions on installing your rain gauge.

Your class can now provide scientists with accurate precipitation data from your school! Go to the Community Collaborative Rain, Hail & Snow (CoCoRaHS) Network webpage and click on the CoCoRaHS for Schools link to get started with registration, lesson plans, activities and more!

[https://www.cocorahs.org/Content.aspx?page=CoCoRaHS\\_Schools](https://www.cocorahs.org/Content.aspx?page=CoCoRaHS_Schools)

Watch training animations, webinars, and tutorials from CoCoRaHS at <https://www.youtube.com/user/cocorahs>





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## Rain Gauge Learning Activities from NASA's Global Precipitation Measurement (GPM) mission



Students can participate in fun educational activities from NASA, like designing, creating, and testing their own rain gauges to measure precipitation, and then compare the accuracy of their rain gauge measurements with the CoCoRaHS rain gauge.

A Rain Gauge Activity with a downloadable Teacher Guide and Power Point Presentation is found at:

<https://gpm.nasa.gov/education/lesson-plans/rain-gauge-activity>

A Measuring Precipitation lesson with a downloadable Teacher Guide, Presentation, and Student Capture Sheet is found at:

<https://gpm.nasa.gov/education/lesson-plans/measuring-precipitation>

NASA's Global Precipitation Measurement (GPM) mission provides a wealth of Precipitation Education resources and programs on the Water Cycle, Weather and Climate, Technology, and Societal Applications for educators and students of all ages. These resources can be found at:

<https://gpm.nasa.gov/education/>

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](mailto: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](mailto:DFWearthday@dfwairport.com).