

Upper Trinity Regional Water District

SCHOOL OUTREACH AND EDUCATION RESOURCES

Water-Wise Garden. Students learn water conservation principles related to native plant selection and outdoor watering efficiency. The Water-Wise Garden provides a backdrop for students to see beautiful native plants; and, understand other important techniques to reduce water usage in the landscape.



Water Treatment Plant. Students will be guided through the water treatment plant, including the water quality testing lab. The plant tour emphasizes the source of their drinking water and the necessary processes to ensure clean drinking water at their tap. Upper Trinity continues to receive high marks for the quality of drinking water produced at the Taylor Plant in Lewisville. Upper Trinity has previously been awarded the Best Tasting Drinking Water in Texas.

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Stream Erosion Trailer. The trailer demonstrates stream hydrology (how streams and creeks flow) and best management practices to help prevent excessive erosion. Students will understand that preserving greenbelts and limiting development in the floodplain help to maintain high-quality stream functions, as well as protect wildlife, lives and infrastructure. *Can be brought to school*



Rainfall Simulator/Enviroscape Watershed Model. The rainfall simulator shows the fate of raindrops once they fall on certain landscapes; and, compares surface water runoff and groundwater infiltration among four different land covers - - native prairie, lawn turf grass, bare soil and an impervious concrete surface. Important concepts of watershed management - - that everyone lives in a watershed and all the activities we do in the watershed affects the water quality in lakes and streams and ultimately affects treatment of the water. *Can be brought to

school*

At the end, the students and teachers are able to connect the concepts of the demonstrations and understand the value of water from source to tap - - by protecting watersheds and promoting beneficial practices, whether on farms, ranches or in the city - - by utilities providing high quality service in treatment and distribution - - and by using water wisely at their homes.

If you are interested in touring Upper Trinity's facilities in Lewisville, or would like to request a demonstration come to your school, please contact us and we can schedule a time. For more information, contact Blake Alldredge at 972-219-1228.

