Flood Safety Education

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Flood Safety Education

- Turn Around Don’t Drown Wristbands
- Flood Images & Telescopic Pole
- Flood Model
- Historic Model of a Low-Water Crossing
- Willie Turner Round - Weight of Cubic Foot of Water
- Watershed Detectives Middle School Flood Curriculum
  - Model of Low-Water Crossing
  - Interactive GIS Web View
- HydroAlert
Turn Around Don’t Drown
Flood Images & Telescopic Pole
Henry Price, Katina Bohrer and Scott Cameron, all with Watershed Engineering, explain the floodplain simulator and flood safety at the Austin Energy Regional Science Festival on February 18.
Low-Water Crossing Model
Willie Turner Round?

• One cubic foot of water (7.48 gallons) weighs 62.3 pounds

• 100 cfs = 748 gallons = 6,231 pounds of force hitting an object every second

Cubic foot to gallons photo derived by Robert Kernodle
Flood Safety Curriculum
Flash Flood Alley: The Power of Water

Students will:

1) Understand factors that cause flooding and how flooding affects their community.
2) Build a model of a low water crossing to demonstrate that the force of water can push a car off the road.
3) Use GIS and atxfloods.com to determine if they live in a floodplain and if there are low water crossings on their way to school.

TEKS: 7.8A-C, 8.3B-C, 8.9C
Engagement Videos

- Austin Roads Flood in a Flash:
  www.austintexas.gov/department/flood-safety-preparedness

- Flash Flood Alley: Swept Away:
  youtu.be/tYBo6t4_6_U
Model of a Low-Water Crossing
Watershed Detectives Web Map

http://arcg.is/2axqRiF
HydroAlert Flood Warning System