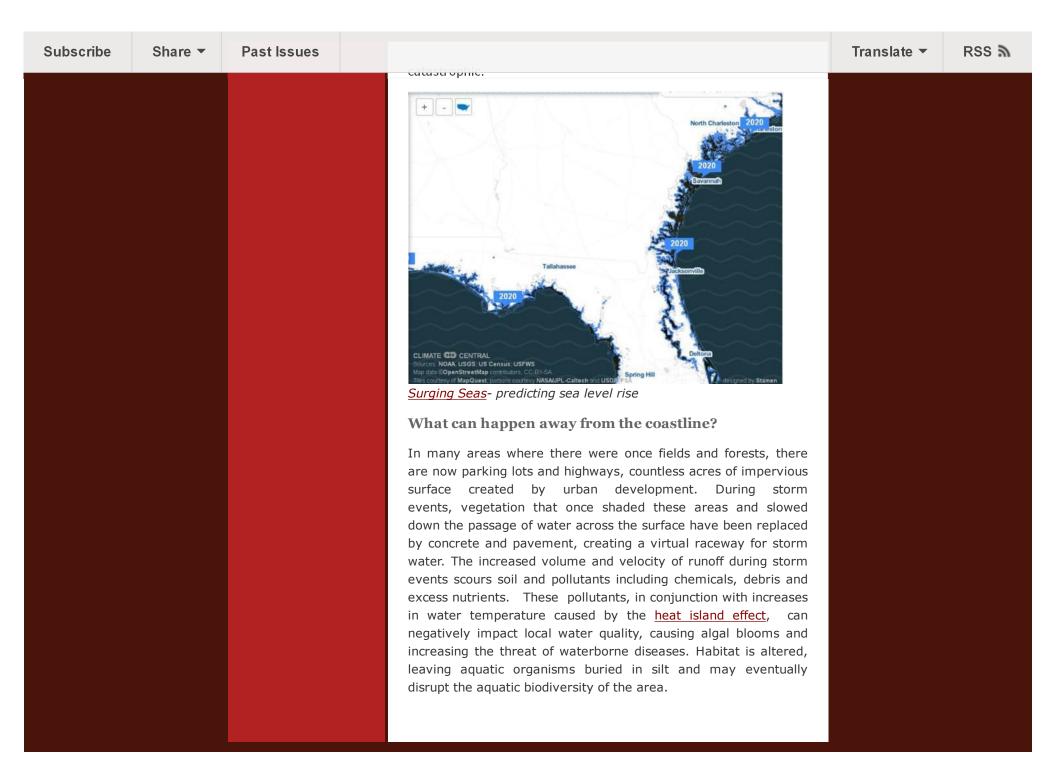


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			evaporation occurs, clouds begin to form as the result of condensation, until they can hold no more water and it begins to rain (or snow). The increase in precipitation often leads to flooding, especially in areas that have previously been bone dry and cannot absorb it as a result.		
			In the ocean, warmer water temperatures are responsible for melting glaciers and ice caps, as well as for supplying energy to thunderstorms, adding to their intensity as they become tropical storms and hurricanes.		
			Geologist and photographer Dr. Taz Tally of Homer, Alaska recently stated, "Warmer temperatures associated with a change in the climate are very evident here in Alaska. As coastal water temperatures increase, the coastlines are expanding, alpine and coastal glaciers are retreating, the extent of permafrost has been reduced, and arctic sea ice is less expansive and much thinner."		
			Where will all of that water go?		
			Based on the data accumulated from around the world, scientists have created "models" on which they can predict what effects melting this enormous quantity of ice will have.		
			Models show an increase in sea level of about one foot during the next decade in coastal Georgia. In other areas in the Southeast, especially those built at or below sea-level, the results could be		



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Sweetwater Creek overflows I-20 near 6 Flags Theme Park

Yikes! What can we do?

Here in Georgia the redistribution of water is as likely to cause frequent droughts as it is to cause floods. How we address the issues of drought and flooding will undoubtedly improve the chance that we can make a difference as it relates to quality of life for future generations. **Of course, we believe education is the key!**

Try connecting these Project WET Activities to the climate change discussion you have with your students:

Earth Systems: Atmospheric: Weather:

*Blue River – p.135 – Students simulate movement of water through a watershed based on weather and climate
 *Nature Rules – p. 277 – Students discuss the unpredictability of water-related disasters caused by extreme weather episodes or longer-term conditions

***Rainy Day Hike** – p. 169 – Extensions - Use Google Earth GIS to access information on rainfall, stream flow, etc.

***The Thunderstorm** – p. 209 – Students monitor and record "precipitation"

Earth Systems: Atmospheric: Climate:

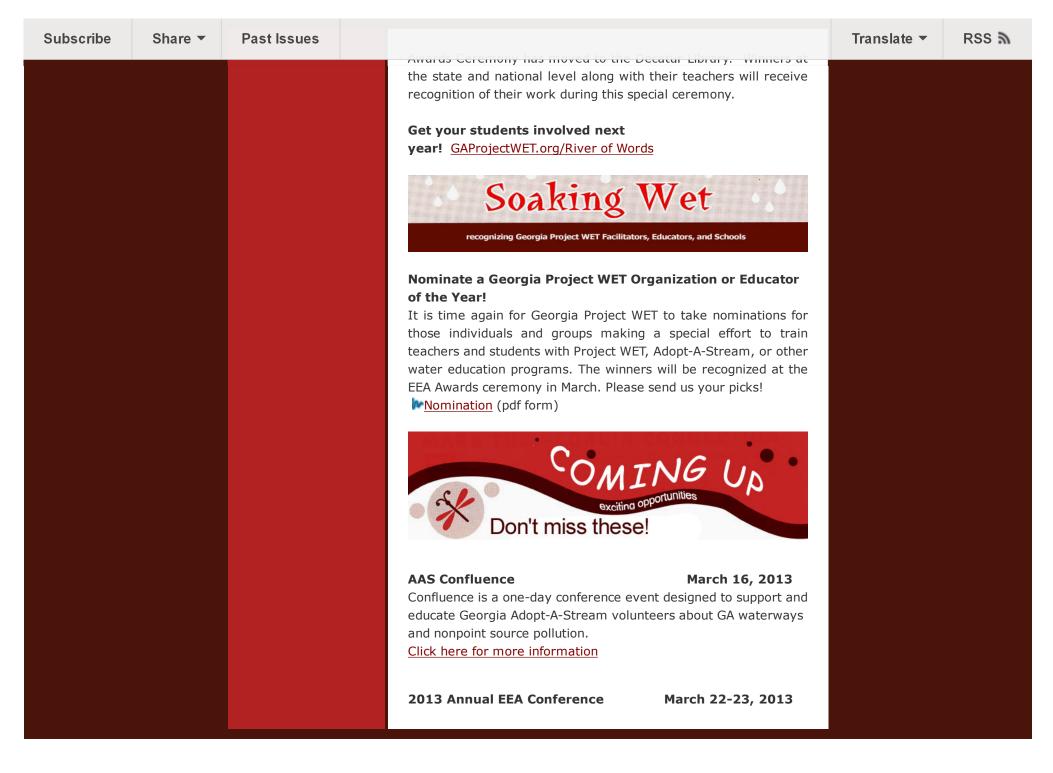
*My Water Address, Take Action! – p. 433 – Students determine their water address and identify unique characteristics associated with weather, assess their risk and create a Family Action Plan in case of a flood or other natural disaster.

Go further

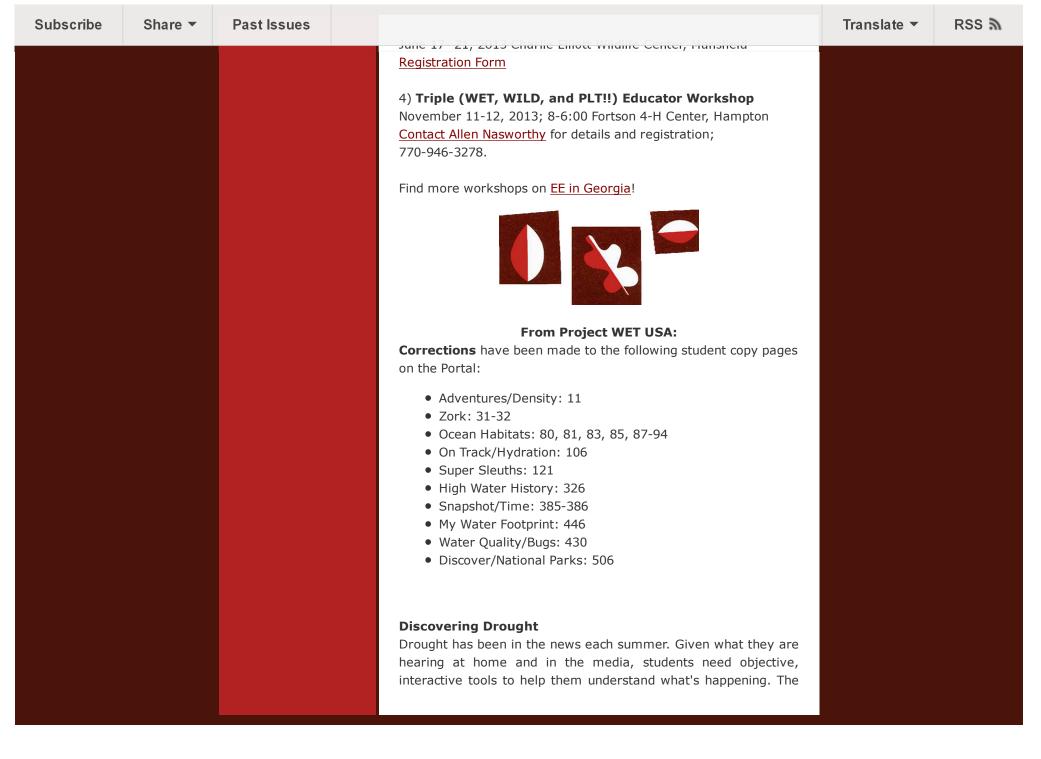
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			Earth and become better prepared for extreme weather conditions. According to the <u>USGS</u> , the average person in the U.S. uses between 80-100 gallons of water a day. Conserving water at home and at work is the easiest thing for us to do individually. If you haven't done so already, take the <u>40 Gallon Challenge</u> .		
		To find more Project WET workshops visit EEinGeorgia.org	Visit the <u>United States Global Climate Change Research</u> <u>Program</u> about redistribution of water		
		ТОР	Visit here for more information on Preparing for Climate Change		
			Project WET USA has released a free <u>lesson plan</u> on drought, and produced "Discovering Drought" and "Conserve Water" Kids Activity Guides for sale on <u>projectwet.org</u>		
			Explore the work of photographer James Balog who has been documenting melting glaciers in Greenland, Alaska, Montana and Iceland. In a recent interview on ScienceFriday.com about his documentary, <u>"Chasing Ice"</u> , Balog affirmed that "ice-caps in the Arctic and Antarctic are retreating 3 times faster than originally believed."		
			River Words		
			We are excited about another great year with River of Words. The results will be out in April. This year the River of Words		



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			 <i>Educators</i> Look for the following Project WET presentations: "Project WET v 2.0 Correlations to Standards" "Using Project WET in Storm Water Education" The <u>2013 EEA Conference</u> will be held on Friday, Mar 22, 2013 and Saturday, Mar 23, 2013 in Athens, Georgia <i>War 23, 2013 in Athens, Georgia</i> Have you seen our new searchable database for Standards? With it, all of the correlations are easy to access for WET 2.0 activities covering CCGPS, GPS, and National subject area standards. <u>Try it out!</u> 		
			 In the (WET, WILL, and PLT!!) Facilitator Workshop (Data Particular) In the (WET, WILL, and PLT!!) Facilitator Workshop (Data Particular) Particular Alsen Vasworthy for details and registration; 20:946-3278. In the (WET, WILL, and PLT!!) Facilitator Workshop (Data Particular) Particular Vasworthy for details and registration; 20:946-3278. Intel (WET, WILL, and PLT!!) Facilitator Workshop (Data Particular) Particular Vasworthy for details and registration; 20:946-3278. Intel (WET, WILL, and PLT!!) Facilitator Workshop (Data Particular) Intel (WET, WILL, and PLT!!) Facilitator Workshop (Data Particular) Intel (WET, WILL, and PLT!!) Facilitator Workshop (Data Particular) Intel (WET, WILL, and PLT!!) Facilitator Workshop (WET, and both your particular) Intel (WET, WILL, and PLT!!) Facilitator Workshop (WET, and both your particular) Intel (WET, WILL, and PLT!!) Facilitator Workshop (WET, and both your particular) Intel (WET, WILL, and WET, and WET, and both your particular) Intel (WET, WILL, and WET, and WET, with the particular) 		



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			great starting point, especially in conjunction with Project WET's Conserve Water.		
			Conserve Water With parts of the country facing the <u>worst drought</u> since record keeping began, we wanted to alert educators to our Project WET resources that address this topic. The Conserve Water is a wonderful resource for grades 3-8. When water conservation is the name of the game, everyone wins.		
			Discover Floods Educator's Guide and Kids Booklet This valuable resource helps educators teach students about both the risks and benefits of flooding through a series of engaging, hands-on activities. Now available as a Download. <u>Click here to order these activity books.</u>		
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