

EMBRYOLOGY - Give your students and yourself an unforgettable learning experience....**HATCH BABY CHICKS!** The embryology project gives youth a chance to witness the miracle of life in the classroom. You'll need to select a time when school will be in session for 21 days without any vacation breaks and scheduling will depend on the availability of fertile eggs and an incubator. Students will be able to follow the development of the embryo from a single cell in the egg to a fully hatched chick! Candling the eggs has been an exciting part of this project. Designed for second through sixth grades.

WATER RICHES FIELD DAY - Educating elementary students on the importance of our water resources, the environment and how they affect our lives is ever so vital. The Water Riches Field Days were designed to reach area students from 4th & 5th grade classrooms. Through hands-on presentations at Lake Ogallala, students learn about a variety of topics related to water quantity and water quality.

FARM & OUTDOOR SAFETY OUTDOOR DAY -

Everyone knows someone whose life has been affected by a farm or outdoor activity related injury or death. Even more tragic is that these incidents could have been prevented if simple safety precautions had been followed. This program for third grade students offers activities that are age-appropriate, hands-on, fun, and teach safety through education. Each student will be given a t-shirt, sponsored by Progressive Farmer, to wear at the day's activities.

GERMBUSTERS - Students will learn from a classroom demonstration that health is in their hands. The 10 most common causes of spreading disease are their fingers! Using a glow-in-the-dark lotion will teach children the proper way to wash their hands and will show them what's left behind from improper washing.

AG AWARENESS DAY - presented annually for 4th grade students. Working with classrooms and providing hands-on opportunities relating to agricultural products makes learning fun for students and complements their classroom studies. Animal and other displays and activities introduce students to the process of providing food for them to eat, from growing to processing, marketing and distribution.

GPS - Hands-on activities introduce students to GPS (global positioning systems). GPS is helping more and more to guide cars and cabs, trucks and trains, sailing boats and ships, airplanes and even other satellites. Rescue and salvation crews are using GPS to locate and speed the assistance to people during emergencies. Surveyors are using GPS to determine the boundaries, area, or elevations of land, rivers and/or countries. Farmers are using GPS to survey their fields so that they can distribute fertilizer more efficiently. Airline pilots are using GPS to cruise and land airplanes. Hikers are using GPS to guide themselves on their mountain climbs. The list goes on and on and on.

NATURE STUDY - Complements desk learning by providing third grade students with outdoor experiences and teaches them to use observation skills to learn about the world around them. The program usually takes about 2 hours as students walk through a nature trail in a miniature forest, stopping often to read and answer questions on markers. They observe signs of wildlife, natural processes such as decay, different types of leaves and bark, etc. Students become more aware of their own role in caring for the environment by conserving water, preventing soil erosion, preventing damage to trees, etc

WATER EXPO - This program is designed for middle-school aged students and teaches concepts involving crop water use, water allocation, conservation and quality preservation and includes a tour of a hydroelectric power plant.