



“Green Collar Jobs”

Tuesday - “Earthy Investigations”

The morning sessions

SK Worm - Come interact with this six foot tall museum quality animatronics model! S.K.Worm is the Natural Resources Conservation Service mascot and is presented coming out of a detailed soil monolith. S. K. Worm will allow for basic audience interactivity including a push button interface or live remote takeover. The target audience is third grade students and the general public. S. K. Worm will be used at schools, field days, local fairs, Ohio State Fair, Farm Science Review, and other events.

The Geo Thermal presentation explains how Geothermal heating and cooling systems use the natural constant ambient temperature of the earth to heat in the winter and cool in the summer. This is accomplished with a compressor or heat pump unit, the liquid heat exchanger medium, and the air delivery system. At Geothermal Design Associates, designing and installing geothermal systems is not just a “side-line”, it’s our *total* business.

Tuesday - The afternoon sessions

Tour Sauder Furniture - Sauders uses recycled pieces of wood to make coffins. You must wear long pants/jeans and closed shoes (like tennis shoes). Shorts, capris, and sandals are not acceptable, no jewelry is allowed, and no bags or purses are allowed on the tour.

Custom Ag. For wind turbines demonstration shows advanced-technology products that let homeowners and businesses generate their own clean power and even spin their utility meter backwards. Turbines are also used for off-grid homes, for rural electrification, and to boost the performance of solar electric systems.
<http://www.casindustries.com/>

Introduction to the Early Childhood Project Learning Tree / Project WILD “Growing Up Wild” has won a family choice award! Young Children Ages 3 – 7 Exploring Nature with 26 Project Wild & 11 Project Learning Tree Lessons for pre-school, headstart, and early childhood education providers.

Wednesday – “On the Land”

The morning sessions

The Bridgewater Dairy is a family owned business and has grown to include two separate entities - Bridgewater Dairy LLC and Bridgewater Farming LLC. Together the operations milk 3000 Holstein Dairy Cows, and farm over 4000 acres of ground in Northwest Ohio. But unlike any other dairy in the state, Bridgewater has the tools to turn poop to power, all while eliminating that less-than-celebrated scent, thanks to the installation of the first anaerobic methane digester on an Ohio dairy, Bridgewater is selling the cooperative 30 percent more electricity than it uses. The digester’s 64-foot wide, 200-foot long and 16-foot deep chamber churns raw manure during a three-week cycle where it converts organic material to biogas that is burned in on-farm electricity generation.

Wednesday - The afternoon sessions

Visit the Wild Winds Buffalo Reserve Over 400 acres of rolling Indiana prairieland, natural water ways, lakes, birds and home to approximately 200 bison. Wild Winds Buffalo Preserve is a place where people gather for enlightenment, introspection, healing, and peace.

Thursday - "Looking at Industry"

The morning sessions

Learn about Corn Cob Product Technology and the products manufactured by the Processing Group include lawn fertilizer as well as consumer and industrial products utilizing corn cobs from the company's cob milling operations.

Windows on Waste is an interdisciplinary, environmental studies activity guide for elementary teachers and other environmental educators. It strives to meet the needs of competency-based education and constructivist approaches to teaching and learning. The lessons are grounded in general environmental studies concepts as applied to solid waste management issues, with particular emphasis upon recycling and litter prevention. The lessons also address many important educational concerns in Ohio.

Thursday - The afternoon sessions

The GM Powertrain water treatment plant reuses and recycles the water back to the Maumee River. You will see the different areas systems that process the waste water from the plant so that it is reusable and purer than the water it takes into the plant from the river.

Visit American Ag Fuels where bio –diesel is produced from renewable resources such as soybean oil. It can be used as a pure product or blended at any percentage with petroleum diesel. Bio-diesel is simple to use, renewable, domestically produced, and readily available.

Visit the Power Dam, owned by the Bryan City Municipal Electric. The Auglaize hydroelectric plant is located on the Auglaize River, just south of Defiance, Ohio. The original dam was built in 1912 by the Auglaize Power Company at a cost of \$500,000. The Auglaize plant avoids air emissions of 11,900 tons of carbon dioxide, 69 tons of sulfur dioxide and 32 tons of nitrous oxide pollutants every year.

LaFarge / Systech Environmental Corporation Since 1978, the Paulding Plant has been using fuel-quality waste to replace a significant portion of the coal and coke previously used. Approximately 26 million gallons of fuel-quality waste are consumed per year, accounting for over 90 percent of the kiln's fuel needs. By utilizing waste solvents for fuel, we reduce the consumption of non-renewable fossil fuels and decrease sulfur dioxide emissions to the atmosphere. You will see the plant and how they use waste to fuel the kilns.

CJ Natural Meats & Dairy is a grass based, diversified livestock farm located in Northwest Ohio, along the Junction of the historic Miami Erie and Wabash Erie Canals. On the farm they produce and direct market grassfed beef, pork, chicken, lamb, turkeys, brown eggs, and raw milk cheeses. They are an environmentally friendly, family owned and operated small farm.

Visit the Cooper Farms Hatchery, in 1938 when Virgil Cooper set out to raise the finest, healthiest turkeys in rural Ohio. In the early 1950s, Cooper Farms began to broaden its reach beyond local markets. The company started operating its own feed mills in the 1960s, and opened its first processing plant in Fort Recovery in 1965. The company also was hatching turkey eggs, selling poults and raising market birds. They continue to raise turkeys in a low-stress environment and growing Cooper Farms into one of the largest family-owned turkey processing companies in the country.