

EARTH Workshop 2016 Sessions

Tuesday

9 – 10:30 am

Session A Diane Sand, Crawford County Soil and Water

STEM Lessons - Through STEM education, students learn to become problem solvers, innovators, creators, and collaborators and go on to fill the critical pipeline of engineers, scientists, and innovators so essential to the future of our nation. Join Diane in learning how to fit some FUN, HANDS ON Science Technology Engineering and Mathematics into your lesson plans! Easy, quick and fun lessons!

Session B Janet Ink, New Riegel 3rd grade teacher

Earth, Rocks and Minerals – To be truly connected we must first understand our foundation. Learn new and creative ways to teach about the basis of our Earth.

10:45 – 12:15 pm

Session A Marci Lininger, US Fish & Wildlife Service Biologist

Ohio Pollinator Habitat Initiative - “It takes a village”Join Marci as she explains the unusual partners coming together to protect and promote pollinators and their habitat. You will take a walk outside to New Riegel’s warm season grass field and discuss how teachers and school can get involved in protecting our pollinators.

Session B Beth Diesch, Seneca Conservation District

Human Impacts on Natural Resources-PBL style - Join the Seneca Conservation District staff, for hands-on activities and lessons that demonstrate the way that social studies can be connected to science. Hot topics such as harmful algae blooms, food production, landfill capacity and energy production and consumption will be explored in project based learning style.

Afternoon Field Trips

Field Trip A Findlay Excursion

Mazza Museum on the University of Findlay boasts the most diverse collection of original artwork by children’s book illustrators than anywhere in the world. We will tour the museum then visit Awakening Minds, an art studio that provides art therapy and education for people of all ages and abilities. **To sign up for this field trip your registration must be in by June 1st**

Field Trip B Creekbend Farm and Wilson’s Nature Center Excursion

Join the Sandusky County Park District for a tour of their newest facility then get your feet wet. We encourage you to get in the creek for a stream quality session. **A change of shoes and clothes is recommended.**

Wednesday

9 - 10:30 am

Session A Anna Horner, Sentinel Career and Technology Center Agriculture Instructor

Classroom Growing – Teaching where our food comes from is an important lesson that too many of our children are missing. Learn innovative ways to grow plants in your classroom, use them to build your lesson plans and make the connections for your students.

Session B Jake Boehler & Ellen Ewing, National Center for Water Quality Research

Bringing a Stream Indoors – Join lab technicians from the National Center for Water Quality Research located at Heidelberg University as they teach us the what, where, and why of bringing a stream into the classroom. They will explore the areas of water chemistry, stream macroinvertebrate and fish communities, and human impacts on stream systems.

10:45 – 12:15 pm

Session A Dr. Bob Horton, OSU Extension

Honey Bee Challenge – Do the 4-H Honey Bee Challenge and be connected to what honey bees do for you. Follow a bee through its foraging route to learn about hive habitat. Participants gain an appreciation of the honey bee's role in feeding the world, best practices for preserving and enhancing foraging habitats, and ways to contribute to honey bee health in their own communities.

Session B Jessica Fries-Gaither and Terry Shiverdecker, Authors of Inquiring Scientist, Inquiring Readers

Soil Health & Literacy Connections - Recognized by the National Science Teachers Association, Terry and Jessica will share with you resources from their book that uses children's naturally inquisitive minds to get them reading more non-fiction text to understand elementary science like soil health.

Afternoon Field Trips

Field Trip A Flour Mill Excursion

Many of our Seneca County farmers grow wheat. Tour the Mennel Milling Company in Fostoria to discover what happens to wheat once it leaves the field. This is a food production facility so we have to abide by some restrictions. **While touring this facility none of these items can be worn: jewelry, fake fingernails, sandals, open-toed shoes, shorts, capri pants, or sleeveless shirts.**

Field Trip B Livestock Farm Excursion

Embarking on this will take you to two Sandusky County working farms, a hog nursery and a robotic dairy farm, and will leave you with a deeper understanding and connection to the food on your plate. **Please note we are visiting a working farm and you might be exposed to sights and smells that you are uncomfortable with so come at your own risk.**