

Stubnitz Environmental Education Center

Environmental Science Programs

Lenawee Intermediate School District Stubnitz Environmental Education Center (SEEC) offers Environmental Science Investigations for Lenawee County students. Designed in accordance with Michigan Science Grade Level Content Expectations (GLCEs) for grades K-7, and the secondary Science High School Content Expectations (HSCEs), these programs use a variety of inquiry activities, simulations, and hands-on experiences with the natural environment. Environmental education is presented in an interdisciplinary format of age-appropriate programs. Please see the SEEC Environmental Science Investigations Alignment document on the SEEC website <http://seec.lisd.us> (click on "school programs") for further information program alignment with Michigan Science Grade Level Content Expectations and Science High School Content Expectations.

Student Programs for Sixth through Eighth Grades

Standard SEEC program normally lasts 3.25 hours, however, it may be adjusted for school scheduling needs.

Connecting Ecosystems and Biodiversity - Sixth Grade

Aligned with the new sixth grade State Science Grade Level Content Expectations in Ecosystems, this program explores the interdependence of the variety of populations, communities and ecosystems of the Great Lakes region. Students will participate in lessons using inquiry activities, simulations, and hands-on, minds-on activities in the outdoors to investigate the rich diversity of life in our region, using an orienteering compass to complete the Ecology Challenge course. A lesson on the interrelationships of species in food webs will lead to a food chain simulation. During the Ecologist's Exploration Trail Hike, students will discover ecosystems, food webs, and biodiversity in Heritage Park.



The Big Blue Hydrosphere - Seventh Grade

Focusing on the seventh grade State Earth Science Grade Level Content Expectations on the water cycle, this program will lead students to experience inquiry and hands-on learning. A presentation on the Water Flow Model will illustrate the flow of water between components of a watershed, including surface features and groundwater. Students will demonstrate the relationship between the warming by the sun of the Earth and its effects on the water cycle. On the Walking the Water Cycle Trail Hike, students will use inquiry process skills to record data about water in the hydrosphere and in the River Raisin watershed.



Energy Resources - Eighth Grade

Aligned with the State High School Content Expectations for Earth Science, the Energy Resources investigation program will combine experiences and learning about the carbon cycle, the greenhouse effect, climate change, and renewable and non-renewable energy sources. This all-new program will incorporate the inquiry process, student participation, simulations, and hands-on learning to give students a clearer understanding of those concepts. Students will become Earth Systems Scientists as they ask questions, perform environmental data collection and make observations on an Energy Transfer Trail Hike.



Telephone Registration Procedures

The Stubnitz Environmental Education Center Environmental Science Programs run Tuesday through Friday from September through May. Programs are scheduled from 10:00 a.m. - 1:15 p.m., but may be adjusted to suit your school schedule. Program fees are \$3.00 per student. To register for sessions, call Pam Bunch at Stubnitz Center, 265-6691, between 8:00 a.m. and 4:30 p.m. or leave a voice mail message and your call will be returned as soon as possible.

When making reservations, please be ready with the following information:

- ✓ Date preference
- ✓ School name and district
- ✓ Grade level and program
- ✓ Special needs and requests
- ✓ Number of students who will attend

After telephone assurance from you that transportation has been arranged for that date, you will be sent a Confirmation Form to be returned to SEEC, securing your reservation. You will also receive a letter explaining more about your Environmental Science Program, a parent information letter, and a pre-trip lesson plan, along with blank name cards, to prepare your students for their day here. We look forward to having your class visit us at Stubnitz Environmental Education Center!

Thank you to the Maurice and Dorothy Stubnitz Foundation, whose grant support makes it possible to keep student fees at a low \$3.00 per person!

M Be sure to visit the SEEC Website: seec.lisd.us **M**

