



Dow AgroSciences STEMLab and SciencePort

Children, families, students, and teachers can take part in hands-on science, technology, engineering, and math (STEM) learning programs in STEMLab and SciencePort®, located in the *Dow AgroSciences ScienceWorks* exhibit.



STEMLab programs are guided by museum educators who take you step-by-step through explorations. SciencePort, colocated with the STEMLab, offers drop-in Investigation Stations that are available throughout the day, with museum facilitators available to answer questions and enhance STEM learning.

STEMLab

STEMLab's public programs are available to all museum visitors. In each program, visitors are guided through hands-on activities by a gallery facilitator; public programs typically last 20 minutes and are offered at scheduled times throughout the day. Current topics include cell modeling, water quality experiments, DNA extraction from food sources, seed germination, and bioengineering in outer space.

School programs offered by STEMLab are by reservation and vary in length by topic and grade level; some are as short as 20 minutes while others last more than one hour. All are designed to meet current Indiana Science Education Standards for the listed grades. Current topics include: Reaction in a Bag (exploring chemical reactions); Science Rocks (exploring how rocks and minerals change under the influence of nature); Test Track (learning how different surfaces affect speed and motion); Healthy Land, Healthy Water (how human activity affects the health of land and waterways), and more.

New programs currently in development will broaden the scope of topics offered in the STEMLab to include investigations related to geology, agriculture, energy, and ecology. New Early Childhood experiences are also in development, which will feature programming aimed at introducing preschool audiences to basic STEM principles.

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SciencePort

SciencePort® offers drop-in science investigations for families and school groups. Visitors of all ages can become part of a team and work together to explore STEM topics using cutting-edge technology to aid their investigations.

SciencePort offers Investigation Stations that include hands-on activities exploring insects, forensic science, and life in space. Families and children can solve fairy tale crimes, compete with each other in strategic games, and check out various specimens under digital microscopes. Activities range in design for children ages 6 and up with an adult.

School groups can choose from a variety of exclusive programming through SciencePort, including investigations into DNA, coding and robotics, and water pollution.

Several new investigations are being developed for SciencePort, including investigations simulating experiments done on the International Space Station, explorations of earthquakes and their consequences, and build stations that will allow children and parents to become engineers.

Dow AgroSciences STEMLab and SciencePort are part of The Heritage Group Center for Family Learning in STEM.