

SCIENCE EDUCATION PROFESSIONAL DEVELOPMENT

Building partnerships and sharing science with K-12 teachers since 1999:

- Professional Development: Coordinate 5 workshop days each year that highlight current research and the latest science education pedagogy. In 2018-19 209 teachers from 59 school districts across Michigan participated.
- Resources: Lessons and activities created by teachers, interns and graduate students about ecology, climate science, sustainable agriculture and evolutionary biology available online (including Data Nuggets).
- Opportunities for faculty and graduate students to embrace broader impacts, improve science communication skills and build relationships within the local community. Outreach and education internships for undergraduate students.

Highlights

- Informal youth educators have been attending professional development alongside formal educators, building a richer professional learning community.
- Research Experiences for Teachers Program with BEACON and Society for the Study of Evolution in 2018 and 2019, brought 17 teachers into 13 faculty labs at 12 institutions in 6 states.
- New funding: *Teaching Science Outdoors: A Next Generation Approach for Advancing Elementary Science Teaching in Urban Communities* – 2019-2022 NSF Discovery Research preK-12 (DRK12)
- Field trips: 1827 students participated in field trip experiences at the Kellogg Bird Sanctuary in 2018-19.

Professional Development & Community Programs



K-12 Partnership Workshop

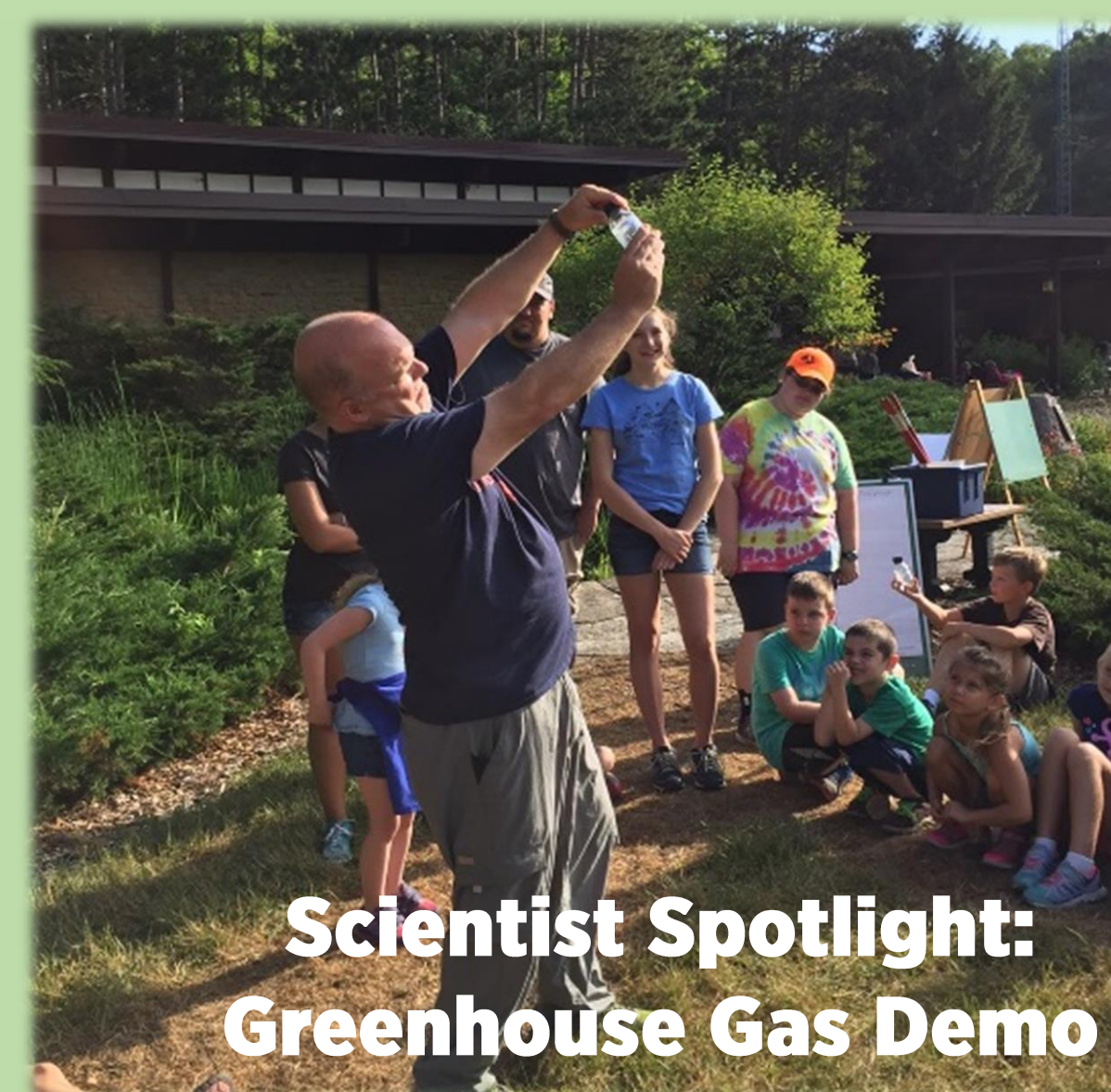


Educator Field Day 2019



Butterfly Walk & Talk 2019

Field Trips for K-12 Students



Scientist Spotlight: Greenhouse Gas Demo



Agriculture & Ecology Student Activity Trail

Photo credit: Sabrina Brown

