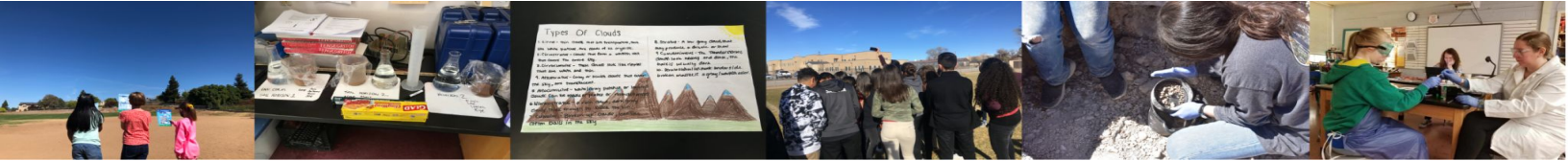


GLOBE SPARKS

Supporting Practice, Awareness,
Research, and Knowledge for Science



An Online Introductory GLOBE Course

GLOBE Mission Earth (GME), with partners and teachers, has created an online course to introduce educators to GLOBE, connect them to the [GLOBE website](#), connect them to their local GLOBE partnerships, and “spark” their motivation to dive in — whether for the first time, or to learn more.

What is GLOBE?

The GLOBE (Global Learning and Observations to Benefit the Environment) Program is a science and education program that focuses on advancing Earth systems science through data collection and analysis by citizen scientists — including youth! Students conduct field-based research using scientist-developed protocols; they collect local data, interact with scientists, and identify and carry out projects relevant to their communities.

Purpose of the SPARKS Course

Want to learn more about how GLOBE
can support your teaching and learning goals?

Want to share GLOBE with others?

The course is designed for those very purposes:

- To provide a welcoming and guided asynchronous entry to GLOBE, to complement the GLOBE website and other trainings, and to point to existing tools.
- To facilitate scaling of GLOBE implementation through easy access for individuals and groups.
- To support integration of resources into curriculum.
- To support the full research process, from asking questions to communicating conclusions, including data entry and analysis.

Course Modules

Module 1	Orientation
Module 2	Who is this Course for?
Module 3	Joining the GLOBE Community and Accessing Resources
Module 4	Doing Science through GLOBE – Introducing Our Structure
Module 5	Observing the World
Module 6	Asking Questions and Planning and Carrying Out Investigations
Module 7	Working with Data – Uploading, Downloading, Analyzing, and Interpreting
Module 8	Constructing Explanations and Communicating Conclusions
Module 9	Preparing a GLOBE Implementation Plan
Module 10	Preparing a GLOBE Lesson Plan
Module 11	Preparing a GLOBE Project Plan
Module 12	Course Wrap-Up and Celebration

More information on other side!

Learning Design

- Designed for those who are either new to GLOBE or have prior experience with GLOBE: [Learn more here](#)
- Teachers introduced to key strategies aligned to the GLOBE Research Process, as seen to the right
- Basic information plus "going deeper" sections
- Student personas to help ground the work in the students' experiences; lots of visuals
- Theme for coherence: Urban Heat Island Effect
- Tools for reflection
- Support for GLOBE/NASA implementation, lesson, or project planning
- No required sequence, but facilitators may provide a preferred progression
- Certificate of Completion requiring: 1) setting up a GLOBE account and 2) completing and submitting a sample implementation, lesson, or project plan



Feedback from Course Participants

"I am now inspired to use GLOBE because I realize how adaptable GLOBE is across all grades and course content...The flexibility of the protocols and the support from GLOBE community makes it so approachable!"

"It's wonderful how the GLOBE program provides such valuable professional development for educators and it is a very good source of inspiration to save our home planet!"

"Engaging with this material has reinforced the importance of ongoing inquiry and collaboration among scientists to address these pressing challenges effectively."

"I'm excited to now be able to contribute to something much larger than myself!"

Please let us know if you would like more information about this course!

For more information, please contact:

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To learn more about the GLOBE program, visit:



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