

MADE CLEAR

Climate Science Academy
Spring/Summer 2015, Cohort 3

MARYLAND AND DELAWARE CLIMATE CHANGE
EDUCATION ASSESSMENT AND RESEARCH

The National Climate Assessment was released in 2014. Do you know what it says about Maryland and Delaware?

Do you see news articles in your local paper about climate change and wonder about the science behind them?

The MADE CLEAR program can help! The 2015 MADE CLEAR Climate Science Academy will provide guidance and resources as you dive into this complex topic and prepare to introduce it to your students. The Climate Science Academy will use a blended learning approach, incorporating in-person sessions, webinars, and an estimated twelve hours of independent group and individual work.

Goals of the Climate Science Academy

With the National Science Foundation's support, climate scientists, learning scientists, and educators are working together to embed climate change science into formal and informal education in Delaware and Maryland. As both states work to implement the Next Generation Science Standards (NGSS), MADE CLEAR is working at the cutting edge of curriculum alignment, professional content knowledge, and implementation strategies. Our goal is to bring the science to you in a way that is meaningful, place-based, and employs best practices in climate change education.

The Academy will include climate change science presentations and model lessons, which will be presented at the middle school level; therefore preference will be given to middle school teacher applicants. As Delaware progresses in its science curriculum revision, we anticipate that the Academy will be of particular interest to 8th grade science teachers.

Recognizing that climate change is a multi-disciplinary topic, we will consider applications from educators working in teams to support climate change learning. In particular, we welcome applications from science and engineering teachers, librarians, and informal educators who can create a coordinated plan that will lead to authentic learning experiences for students.

Through your participation in the Academy, you will learn about climate change science, receive a topical curriculum framework based on NGSS and national Climate Literacy Standards, and gain hands-on experience with vetted classroom activities that support this framework. With this background, and guidance from previous Academy participants and MADE CLEAR staff, you will create a plan to bring climate change lessons into your classroom or institution during the 2015-16 school year.

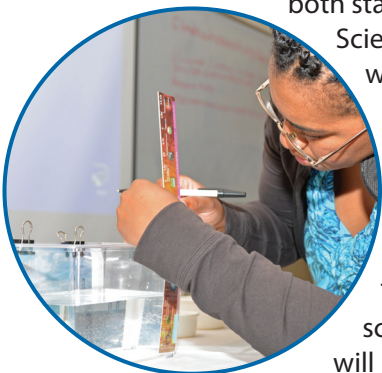


Academy Logistics

The session schedule is below. Specific locations will be posted on the Academy web site as soon as they are finalized.

Bolded sessions are in-person. Evening sessions are webinars.

- April 25** (Sat): daytime, 6 hours
- April 30 (Thu): evening, 1.5 hours
- May 9** (Sat): daytime, 6 hours
- June 23 (Tue): evening, 1.5 hours
- July 6 (Mon): evening, 1.5 hours
- July 22** (Wed): daytime, 6 hours
- August 4** (Tue): daytime, 6 hours



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You Should Apply If You Are

- A current educator focused on middle school-level earth systems science, biology, chemistry, physical science, engineering, or environmental science; a school librarian who helps coordinate student research projects; an informal educator who works with schools on shared curriculum development.
- Committed to professional growth with an intention to continue to seek out climate change related professional development opportunities.
- Interested in teaching in accordance with the NGSS, incorporating data into lessons, and engaging students in science and engineering practices.

Benefits of Participation

- Enhanced understanding of specific climate change related science topics, through expert presentations and hands-on activities.
- Experience using technology tools appropriate for student climate investigations.
- The opportunity to collaborate and network with other teachers in the region.
- Ongoing assistance as you adapt and implement an NGSS-aligned climate change curriculum plan in your school, district, or institution.
- State professional development credits available upon completion of Academy sessions.

Teacher Support

Classroom teachers who participate in all Academy sessions and activities will receive a \$600 stipend.

MADE Clear will also reimburse registration fees for one outdoor, climate change related professional development workshop offered by an approved partner agency during the 2015-16 school year.

Questions?

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Visit madedclear.org/climate-academy/
for more information

