

***An Invitation
for Middle School Educators***
to apply for an outstanding opportunity to participate in the

**Earth as a System is Essential: Seasons and the Seas
(EaSiE) NOAA Project**

Are you a middle school teacher looking for ways to bring the real-world dynamic interactions between Earth's land, oceans, and atmosphere into your middle school classroom?

Would you like to work alongside NOAA scientists, educators, and the Maine Mathematics & Science Alliance as we develop and pilot curriculum units that use NOAA data to bridge the gap between traditional studies of seasons and weather and the seasonal and climatic changes in the Gulf of Maine?

If so, we invite you to apply to participate in the Earth as a System is Essential: Seasons and the Seas (EaSiE) Project.

Selected Massachusetts, Maine and New Hampshire middle school teachers will have the opportunity to:

- Work with NOAA partners and attend field trips during Summer Institutes.
- Gain further understanding of Earth as a system.
- Learn instructional strategies that support improved student learning, particularly in Earth system science.
- Assist in the development and integration of new resources that support the transformation of student thinking about Earth as a system, and guide students through the process of working with and making meaning from real data.
- Support learning goals from state science and mathematics frameworks.

**FOR MORE INFORMATION ABOUT THE PROJECT
VISIT www.mmsa.org/easie**



TEACHER APPLICATION
Earth as a System is Essential: Seasons and the Seas
(EaSiE) NOAA Project

PARTICIPANT INFORMATION:

Name: _____

Position (Grade Level and Subject): _____

School: _____

School Address: _____

City, State, Zip: _____

Home Address: _____

Preferred email: _____

PARTNER:

Name of teacher currently involved in the EaSiE project with whom you will be partnering: _____

OTHER INFORMATION:

Briefly describe your interest in and the benefit or unique perspective you could offer the EaSiE Project:

The following questions are for informational purposes only, and will not impact your eligibility to participate in the EaSiE project:

How much time do you currently spend teaching the topics of weather, seasons and/or climate? _____

Number of years teaching experience: _____

SELECTION WILL BE BASED UPON THE FOLLOWING:

- Teacher interest and perspective (as described by applicant in the submitted application).
- Willingness to take part in the professional development opportunities and project commitments as described in the Teacher Expectations (please sign the enclosed form).
- Mentor approval (please have your EaSiE Project teacher partner sign the enclosed form).
- Administrator approval (please have your building administrator sign the enclosed form).

TEACHER EXPECTATIONS:

In order to be considered eligible for the EaSiE Project, teachers must agree to participate in the following activities:

- **July 12-14, 2010:** Summer Institute (Wells ME Reserve; travel, meal and lodging expenses paid and \$300 stipend earned).
Purpose: Using NOAA data, develop lessons that connect the traditional middle school study of terrestrial seasons and weather into an exploration of the dynamic interactions between Earth's land, oceans, atmosphere and living world.
- **October 2010:** Fall Follow-up Workshop (1 day, date and location TBD, expenses, including substitute teacher, paid).
Purpose: Refine curriculum materials and identify support materials needed.
- **Fall through Spring 2010-11:** Unit development, feedback, and pilot testing of at least one EaSiE Project lesson.
- **Spring 2011:** Conference (1 day, date and location TBD, expenses, including substitute teacher, paid).
Purpose: Share successful experiences and practices.

In addition, during the Spring of 2011, teachers, MMSA staff and NOAA partners will share the curriculum units with colleagues in their own states and across the country through the project web site and marine & state science teacher associations.

EaSiE Project Teacher Agreement 2010-11

I have read the Teacher Expectations and agree to the requirements for participating in the EaSiE Project.

Signature of Applicant

Date

EaSiE Project Mentor Agreement 2010-11

I have read the Teacher Expectations, and as a teacher currently involved in the EaSiE Project, agree to mentor the applicant as they participate in EaSiE Project lesson development and implementation.

Signature of Mentor

Date

Statement of Commitment by School Administration

I understand and agree to the EaSiE Project Teacher Expectations and fully endorse the participation of the applicant.

Signature of Principal

Date

PLEASE RETURN COMPLETED APPLICATION TO:

Joyce Tugel
Maine Mathematics and Science Alliance
PO Box 5359
Augusta, Maine 04332
or FAX 207.287.5885

