

Carbon TIME Teaching Expectations for 2015-17

A National Science Foundation (NSF) grant awarded to Michigan State University several years ago allowed us to launch the initial *Carbon: Transformations in Matter and Energy (Carbon TIME)* curriculum project. We are happy to report that a second project (*Carbon TIME 2*) has recently been funded by NSF, enabling us to continue development and dissemination work through 2019.

The new project will include revising and expanding *Carbon TIME* units, creating an online professional development course, and creating local support networks for teachers using *Carbon TIME*. The networks will commence this spring (2015). Eligibility, expectations, benefits, and key staff people are summarized below. We are accepting applications from qualified teachers who would like to collaborate on this work. Please read on to see if you might be one of our new teachers!

Who is eligible?

Middle and high school science teachers who teach science to at least 25 students each year are eligible to join a network. Each network will include a cohort of 12 teachers in the same region who will meet together and collaborate. Teachers must be able to collect and share student data and share information about their experiences teaching *Carbon TIME*. Data about collaborating teachers is also collected as a part of our research. Teachers must have access to a computer lab to administer student tests at least 8 times during each project year.

Expectations and Benefits

Carbon TIME assumes a two-year commitment from teachers. Participating teachers will be compensated contingent upon completion of the activities listed below. Payment will be invoiced for the activities noted, and paid upon completion of all tasks in each time period.

SPRING 2015

- Sign an electronic teacher research consent form and obtain permission to teach units and conduct data collection from your school principal or other relevant administrator for entire project period
- Administer baseline tests to students through the NREL online testing site (assessing at least 25 students in one or more classes)
- Answer questions about current content taught, teaching practices, and goals for teaching content related to *Carbon TIME* (via written survey and possibly an interview)

Total Payment: \$200

SUMMER 2015

- Online (14 hours) professional development
- In person (2 days) professional development
- Answer questions about current content taught, teaching practices, and goals for teaching content related to *Carbon TIME* (via written survey and possibly an interview)
- Mini-grant for supplies and materials*

Total Payment: \$600

Mini Grant: \$300*

FALL 2015/SPRING 2016

- Teach at least 3 *Carbon TIME* units to a total of at least 25 students in one or more classes
- Additional work associated with required data collection such as
 - Answer questions about content taught, teaching practices, and goals for teaching content related to *Carbon TIME* (via written survey and possibly an interview)

- Administration of full *and* unit pre/post tests (at least 8 tests total) to your students through NREL online testing site
 - Complete brief summaries of lessons taught in each unit and modifications made
 - Online (7 hours) professional development
 - One day of additional face-to-face PD (payment to sub or meeting after school or on weekend)
- Total Payment: \$350 plus sub payment up to \$150 or \$500

SUMMER 2016

- In person (1 day) professional development
- Online (7 hours) professional development
- Answer questions about current content taught, teaching practices, and goals for teaching content related to *Carbon TIME* (via written survey and possibly an interview)

Total Payment: \$300

FALL 2016/SPRING 2017

- Sign a teacher research consent form and get permission to teach the units and conduct data collection from your school principal or other relevant administrator for 2016-17 school year
- Teach at least 3 *Carbon TIME* units to a total of at least 25 students in one or more classes
- Additional work associated with required data collection
 - Answer questions about content taught, teaching practices, and goals for teaching content related to *Carbon TIME* (via written survey and possibly an interview)
 - Administer full *and* unit pre/post tests (at least 8 tests total) to your students online through NREL testing site
 - Complete brief summaries of lessons taught in each unit and modifications made
- Online (7 hours) professional development
- One day of additional face-to-face PD (payment to sub or meeting after school or on weekend)

Total Payment: \$350 plus sub payment (of up to \$150) or \$500

Payment Schedule

Spring 2015: \$200

Summer 2015: \$600

Summer 2015 Mini Grant: \$300*

Fall 2015/Spring 2016: \$500 (\$350 + sub payment up to \$150, or \$500)

Summer 2016: \$300

Fall 2016/Spring 2017: \$500 (\$350 + sub payment up to \$150, or \$500)

**Total compensation over 3 years: \$1800 + sub payments OR \$2100
(Total does not include mini-grant)**

Additional Opportunities

We are looking for a small number of focus teachers who will be compensated an additional \$600/year for intensive collaboration during the first and second years. Focus teachers will work with an assigned coach, conduct interviews with their students, and have classroom lessons videotaped by Carbon TIME personnel.

We are also looking for teachers to administer ACT Tests to their students at no cost.

Project staff. Project Management (envlit@msu.edu) will be the initial contact for teachers taking advantage of this opportunity. Management will be responsible for consent forms, finances, and logistics. Management can also connect teachers with other *Carbon TIME* staff members (including Hannah Miller, Andy Anderson, and Wendy Johnson) to answer questions about science content or teaching strategies.

*A mini grant of \$300 per class will be available for equipment or supplies