

**1869: Curriculum Project Authorization Form**

To meet its obligation to the National Science Foundation (NSF) under the United States Code Title 42, Sections 1869a and 1869b, the Concord Consortium (CC) is required to obtain authorization from the research division of your school district or your administrator. More details about this NSF requirement are on the back of this form.

CC would like to conduct the following NSF-funded curriculum project.

- **Name of project:** Teaching Environmental Sustainability - Model My Watershed (TES-MMW)
- **Starting and ending date:** 9/1/2017 - 8/31/2018 (Teacher participation is for one year only.)
- **Project description:** TES-MMW develops an interdisciplinary, place-based, problem-based, hands-on set of resources, models, and tools (RMTs) aligned to the Next Generation Science Standards to research “critical incidents” motivating middle and high-school students to further explore environmental sciences. The project will substantially update and integrate two successful sets of RMTs to enable students across the continental US to learn and apply geospatial analysis and systems thinking to their local environmental issues. Research, place-based curriculum, and teacher professional development will advance in partnership with urban and rural schools in CA, IA, KS, PA, and VA.
- **Contacts:** Concord Consortium: Carolyn Staudt ([carolyn@concord.org](mailto:carolyn@concord.org)); Millersville University school contact: Nanette Marcum-Dietrich ([nanette.marcum-dietrich@millersville.edu](mailto:nanette.marcum-dietrich@millersville.edu)); and Stroud Water Research Center school contact: Melinda Daniels ([mdaniels@stroudcenter.org](mailto:mdaniels@stroudcenter.org))
- **Website** where CC curriculum may be viewed: [itsi/portal.concord.org](http://itsi/portal.concord.org)
- **Student Participation and Data Collection:** Students will complete a series of surveys online to assess their knowledge of watershed science; interest in science, technology, engineering, and math; and which parts of the project they found most meaningful. Some students may be selected for online interviews about their experience with the curriculum by a project staff member. Participation is voluntary and involves no unusual risks. Outside of the project research team and in any report of results, students will be identified only by a code, not by name. School districts and students have the right to withdraw from the study at any time.

The project team may take photographs or videotape students as they use project materials. Photographs and video will be used primarily by project staff members to study how the curriculum is used and what kind of learning takes place. Secondly, they may be used to share information with the broader research community at conferences, in research papers, on the project website, and in print and electronic publications. To ensure the ethical treatment of all participants, this study will be conducted under the authority of the Millersville University Institutional Review Board. Any questions should be directed to: Nanette Marcum-Dietrich, Principal Investigator ([ndietrich@millersville.edu](mailto:ndietrich@millersville.edu); 717-871-7325) or Dr. Rene Muñoz, chair of the Millersville University Institutional Review Board ([Rene.Munoz@millersville.edu](mailto:Rene.Munoz@millersville.edu); 717-871-4457).

I authorize the Concord Consortium, Millersville University, and Stroud Water Research Center to undertake the proposed project. Further, I represent that under the rules and regulations of [name of school district] School District, I have the authority to provide this authorization to Concord Consortium, Millersville University, and Stroud Water Research Center.

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Signature, Title and Date

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Name of the School(s) or District participating

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Name(s) of participating teachers

Please return this signed form to Carolyn Staudt from the Concord Consortium at the beginning of the TES: MMW workshop held at SAM Academy on June 15-17, 2017.



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**In accordance with sections 1869a and 1869b of title 42 of the United States Code, the awardee will do the following, as appropriate:**

- 1. Obtain from the school board or comparable authority responsible for the schools considering participation in the project, written approval prior to involvement of pre-college students in pre-college education research and development, pilot-testing, evaluation, and revision of experimental and innovative pre-college curriculum.**
- 2. Include in every publication, testing, or distribution agreement involving instructional materials developed under this grant (including, but not limited to, teachers' manuals, textbooks, films, tapes, or other supplementary material) a requirement that such material be made available within the school district using it for inspection by parents or guardians of children engaged in educational programs or projects using such material of that school district.**