



**MAY 30, 2015**

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Joan and James Leitzel Center  
for Mathematics, Science, and  
Engineering Education.

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# STEM Educators Summit

AT THE UNIVERSITY OF NEW HAMPSHIRE

WITH KEYNOTE SPEAKER

## Dr. Katherine L. McNeill

### Designing classrooms for science practices: Strategies from research on scientific argumentation

Associate Professor of science education at Boston College and a former middle school science teacher, Dr. McNeill focuses on engaging students with diverse backgrounds in science practices, with a particular focus on scientific argumentation.



Her publications include multiple journal articles and two books:

*What's Your Evidence?: Engaging K-5 Children in Constructing Explanations in Science;*

*Supporting Grade 5-8 Students in Constructing Explanations in Science: The Claim, Evidence, and Reasoning Framework for Talk and Writing.*

Keynote speaker co-sponsored by UNH Cooperative Extension and the UNH Dept. of Education.

## Morning Workshops

**SPIRALS, Engaging Youth in Sustainability Science**

**Science and Literacy: Classroom Scientists in Action and at Storytime**

**Exploring Spatial Patterns with Maps Using GIS**

**You Go Girl!: Supporting Female Learning and Identity Formation in STEM**

**Resources at the UNH STEM Discovery Lab**

## Panel Discussion

**Research Experiences for Teachers**

## Resource Tables

open throughout the day

## Afternoon Workshops

**SPIRALS, Engaging Youth in Sustainability Science**

**Using Earth-observing Data: Engaging Students in the Science of Climate Change**

**Mathematics and Computational Thinking through Scientific Inquiry**

**Marine Plankton and NGSS**

**Investigating the World with Digital Cameras**

## Wrap-up and Raffle

Don't forget to sign up for the STEM Teachers Collaborative ([stem.teachers.collaborative@unh.edu](mailto:stem.teachers.collaborative@unh.edu)).

