

# INQUIRY

## TEACHING METHODS:

### Grounding STEM Education Programs in Science Practices



The University of New Hampshire Cooperative Extension (UNHCE) is offering a workshop based on the theory and vision of the Next Generation Science Standards to integrate science and engineering practices within the STEM disciplines.

Inquiry-based learning is an approach that involves exploring the natural and man-made world around us in a manner that leads to questioning, observing, investigating, testing and discussing with others what results were found.

Participants will learn the fundamentals of inquiry-based instruction and how to integrate NGSS science and engineering practices including how to ask investigable questions, planning an investigation and sharing results. They will conduct an inquiry investigation on their own and learn how to “shift” or change existing science activities into authentic inquiry-based activities that integrate NGSS science and engineering practices.

**Dates:** March 31, April 7, 14, May 7, 12, 19 and June 9.

**Time:** 3:30

**Location:** Children’s Museum of New Hampshire’s STEAM Innovation Lab, Dover, NH

**Cost:** \$250/person

March 31st: **Comparing Approaches to Teaching Science**

April 7th: **Understanding the NGSS Science and Engineering Practices**

April 14th: **Raising and Asking Questions**

May 7th: **Conduct a Full Inquiry Lesson (all day session, 10:00 am - 3:00 pm)**

May 12th: **Shifting to Inquiry**

May 19th: **Integrating the NGSS Science and Engineering Practices Into Your Own Lessons**

June 9th: **Sharing Experiences**

*Registration Deadline is March 28th (space is limited) • Cost is \$250/ person*

*Register Online at:*

<http://bit.ly/InquiryTeachingDover>

*Scholarships are available. Contact Sarah Grosvenor for more information.*

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