



Making Sense of SCIENCE

FOR MORE INFORMATION
ABOUT MSS:

WestEd.org/MSS

TO APPLY OR READ MORE
ABOUT THE
OPPORTUNITY:

STEM.idaho.gov/apply

FOR QUESTIONS
ABOUT REGISTRATION:

Erica Compton

STEM Action Center

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208.332.1725

FOR QUESTIONS
ABOUT THE PROGRAM:

Patrick Moyle

Making Sense of SCIENCE

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Are you passionate about making science learning engaging and fun for students? Do you want to collaborate with peers as you learn more about the Idaho State Science Standards? Are you looking to grow your facilitation skills? If so, we invite you to join the STEM Action Center and WestEd's Making Sense of SCIENCE for fall professional learning!

Systems & Multidimensional Science Education for teachers of grades 4 & 5
October 9–12, 2019

Stipends ranges from \$200 to \$1100 depending on distance from Boise.

- **Science Investigations** are a chance engage in adult-level, hands-on explorations of phenomena while using scientific practices (e.g., developing models, arguing from evidence). This course takes a systems and modeling approach to learning about circuits, ecosystems, and the stability of various living, chemical and physical systems.
- **Engineering investigations** provide an opportunity to apply scientific understanding to the engineering solutions to problems. Design circuits and conceptualize modifications to our modern carbon cycle.
- **Idaho State Science Standards Investigations** are a gateway into what the Idaho State Science Standards say about systems and energy in primary grades. This course introduces Making Sense of SCIENCE's 8-dimension framework for Multidimensional Science Education to support equitable classroom experience for students.
- **Literacy investigations** provide participants the opportunity to analyze how scientific discourse contributed to their learning and make plans for how to support scientific discourse in their classrooms.
- **Teaching investigations** focus on developing a discourse rich, equitable classroom culture. Participants also analyze a sample student unit for properties of next generation science teaching and learning.
- **Facilitation investigations** prepare participants to facilitate the course in teams using the included Facilitator Guide. Investigations focus on supporting adult learners.

In addition to the course, participants will also receive:

- A Making Sense of SCIENCE **Student Unit** (digital masters and hands-on materials) for use in the classroom. No additional supplies or equipment needed!
- An **online PLC** to support new instructional practices, implementation of the student unit, and preparation for facilitating the course in future i-STEM institutes.

We invite you to apply by **August 31, 2019** via: STEM.idaho.gov/apply

Patrick Moyle

Professional Learning Specialist
Making Sense of SCIENCE, WestEd

Erica Compton

Project Manager
Idaho STEM Action Center