

Incorporating the Newly Adopted Standards for the Preparation of Secondary Science Teacher and Core Practices...

..with a NEW Methods Module Leveraging Modeling Instruction™

Michigan's secondary science methods instructors ...are invited to attend a FREE 3-day online workshop where they can experience a new, free, two-week learning module that can be used in upcoming secondary methods courses.

(Stipend: \$500, SCECHs: 15, Grad Credit: 1)

Introduction to Modeling Instruction:

*An Application of Core Practices
Aligned with NEW Science
Preparations Standards*

August 8 - 10, 2022 (M – W)

Address Core Teaching Practices and NEWLY Adopted Standards for the Preparation of Secondary Science Teacher: This workshop introduces Modeling Instruction through the lens of the newly required Core Teaching Practices, the NGSS-based Michigan Science Standards and the New Standards for the Preparation of Secondary Science Teacher from MDE. Because the module has been successfully piloted at Eastern Michigan University in the spring of 2021, we are ready and excited to roll it out to colleagues across the state.

Help Students Gain a Better Understanding of Modeling Instruction: Modeling Instruction is a constructivist approach that puts students in the role of scientists and develops conceptual understanding through investigations, discourse and deployment of the Modeling Cycle (Wells, Hestenes, and Swackhamer, 1995; Hestenes, 2013). There has been statewide movement in Michigan to incorporate Modeling Instruction into secondary science courses since 2010. The Modeling in Michigan program has provided 52 intensive 3-week Modeling workshops impacting hundreds of schools and over 1500 teachers. Many new science teachers will start their career in schools where Modeling Instruction is used. Graduating secondary science teachers can seek out and attend a Modeling Instruction workshop as a powerful induction experience.

Participants will:

- Develop proficiency using the Introduction to Modeling Instruction for their upcoming secondary science methods courses
- Receive facilitator implementation support and all resources for the module

- Acquire a means to develop teacher candidate's competency with newly required Core Teaching Practices and the impending Secondary Science Teaching Standards
- Develop deeper connections with our Michigan community of practitioners and leaders in science education.
- **Other Benefits**
 - \$500 stipend for full attendance
 - 15 SCECHs
 - 1 Graduate Credit from Madonna University (\$150/credit)

Logistics

Dates: August 8 - 10, 2022

Location: Virtual

Times: 8:00 a.m. - 3:30 p.m.

Audience: Secondary Science Methods Instructors

Registration

1. Use the registration link and indicate your preference regarding the hybrid attendance options.
2. Registration Deadline: Friday, July 29, 2022
3. Receive further instructions regarding attendance, hotel support or webinar links.

<https://www.mimodelinginstruction.org/workshops.html>

