

Robert Noyce Teacher Scholarship Program Track 3

Partnership between

Michigan Technological University and Northern Michigan University

Fall 2025 News

Project Goal: Meet the national need to develop and retain highly effective STEM master teachers by developing the leadership skills and practice of 30 highly effective classroom STEM teachers from high-needs school districts around the state of Michigan and providing them with incentives to endure in the profession.



Welcome! The project is underway—30 fellows from 21 high-need school districts around Michigan were recruited in Fall 2024 and began their fellowships in January 2025. In addition to cohort-specific activities, the fellows have met quarterly with the Noyce Leadership Team to collaborate and to share expertise.

Participating school districts:

Adams Township Schools
Atlanta Community Schools
AuTrain-Onota Public Schools
Baraga Area Schools
Bark River-Harris Schools
Bay City Public Schools
Beaverton Rural Schools
Berrien Springs Public Schools
Crawford AuSable School District
Dansville Schools
Dearborn Public Schools
Hancock Public Schools
Houghton-Portage Township Schools
Kalamazoo Public Schools
Lake Linden-Hubbell Public Schools
Marquette Area Public Schools
Midland Public Schools
Negaunee Public Schools
Northwest Education Services
Public Schools of Calumet Laurium Keweenaw
Wayne Westland Community School District

Quarterly Project Meetings

In May 2025, Fellow Megan Denanny presented “ELL in the Science Classroom.” In August 2025, Fellow Robin Allen presented “Standards-Based Grading”.

In addition, all Fellows worked in groups to define a problem statement and begin to brainstorm solutions to the following Fellow-identified challenges:

- Pacing
- Insufficient Resources
- Teacher Preparation and Confidence
- Student Engagement

Fellows will work to implement one possible solution and will check in with their group about how it is going at the November meeting. These mini-PLCs support the fellows to collaborate across cohorts and practice a structure for effective problem-solving.

Cohort 1 – 20 Teachers Who Joined the Program Holding Master’s Degrees

Cohort 1 Fellows started with project-led leadership activities as described below. Each fellow will also carry out a self-directed leadership project or projects each school year. Fellows have created Individual Development Plans for 2025-2026, with the support of a Leadership Team liaison. Fellows will engage in approximately 250 hours of leadership activities per year until completing the fellowship in December 2029.

Recent activities:

- Leadership Standards and Portfolios PLC (Spring 2025 - Summer 2026)
 - Fellows took an online course that provided an overview of the Teacher Leadership Standards, and are working through deep-dive online courses on each of the seven domains.
 - Fellows are building individual Teacher Leadership Portfolios on Google Sites.
- Participatory Action Research (PAR) Training
 - Introduction to PAR online course (Summer 2025)
 - PAR Implementation PLC (Fall 2025)
 - PAR Analysis PLC (Spring 2026)

Progress Meter

The Cohort 1 Fellows have completed 9 months in the program, with 4 years 3 months remaining.



Cohort 2 – 10 Teachers Who Joined the Program Holding Bachelor’s Degrees

Cohort 2 Fellows are each working towards a Master’s in Educational Instruction Pedagogy at Northern Michigan University. Courses are fully online and are developed and led by Northern Michigan and Michigan Tech faculty. Upon completion of the master’s program, Cohort 2 Fellows will engage in leadership activities. Their fellowship ends in December 2030.

Recent coursework:

- Spring 2025
 - Next Generation Science Standards (NGSS) in Theory and Practice (3 cr.)
 - Student-Centered Science (1 cr.)
- Summer 2025
 - Educational Research (3 cr.)
 - Integrated Science for Middle School Educators (2 cr.)
- Fall 2025
 - Learning Technologies (2 cr.)
 - Measurement and Evaluation (2 cr.)

Progress Meter

The Cohort 2 Fellows have completed 9 months in the program, with 5 years 3 months remaining.



Meet the Project Leaders

Michigan Technological University

Ms. Marianne Semones, PI
Dr. Gregg Bluth, Senior Personnel
Dr. Luke Bowman, Co-PI
Dr. Michelle Jarvie-Eggart, Co-PI
Ms. Stephanie Tubman, Co-PI

Northern Michigan University

Dr. Joseph Lubig, Co-PI
Dr. Christi Edge, Senior Personnel

Western Michigan University

Dr. Cody Williams, Senior Personnel



Michigan Tech



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Questions? Contact us anytime at MTP@mtu.edu