



NORTHEAST NOYCE PROFESSIONAL LEARNING NETWORK



Teacher Leader Cadre Program

Overview

Supporting Master Teaching Fellow Alumni in expanding their sphere of influence to support retention, persistence, and success of early career STEM teachers
2023-2026



UMass
Boston



WARNER
SCHOOL OF EDUCATION
UNIVERSITY of ROCHESTER



SAINT JOSEPH'S
UNIVERSITY

Michael Daley, Principal Investigator, University of Rochester

Cindy Callard, Co-PI, University of Rochester

Lisa Gonsalves, Co-PI, University of Massachusetts Boston

Tetyana Berezovski, Co-PI, Saint Joseph's University



Overview

This 3-year **online** program is designed to support MTF alumni in expanding their sphere of influence to reach early career STEM teachers located in the Northeast through structured professional learning activities.

Three-year program overview:

- **Year 1** - Prepare to lead professional learning through Video Clubs, Professional Learning Communities (PLCs), and Coaching, and attend/present at the Northeast Regional Noyce Conference in Boston
- **Years 2 & 3** - Facilitate Video Clubs, PLCs, and/or coach early career STEM teachers
- **Year 3** - Attend and present at the Northeast Regional Noyce Conference in Philadelphia

Participants Commitments

- Participate in all 3 years of the program
- Attend Monthly Leadership Seminar Meetings (on zoom)
- Facilitate Professional Learning, such as:
 - Presenting at the Regional Conferences
 - Video Clubs
 - Professional Learning Communities
 - 1:1 Coaching of early career STEM teachers

**** A stipend will be provided for attending leadership seminar meetings and each professional learning experience facilitated.***

Benefits of the Program

- Earn up to \$2000 per year in stipends
- Opportunities to enact leadership beyond your Noyce MTF program
- Continued participation in the Noyce Community
- Build connections with other Noyce participants in the Northeast Region to partner for justice and and through STEM education
- Share your knowledge, skills, and practices with early-career STEM teachers that could greatly benefit from your experiences.

Monthly Leadership Seminar

- Synchronous online Zoom sessions
- Spring 2024 sessions will take place from 4:00pm to 6:00 pm on the following dates: 2/27, 3/19, 4/23, 5/21, and 6/18
- Engage in activities to build on your Noyce teacher leadership training and experience to focus on
 - Facilitating of Video Clubs and/or Professional Learning Communities
 - Developing effective professional learning sessions for the Northeast Regional Conferences
 - Advancing coaching skills using defined coaching frameworks

Attend & Present at the Northeast Noyce Regional Conferences in Boston (2024) and Philadelphia (2026)

“Sharing Teacher Knowledge: Voices from the Field about the Future of STEM Education”

As a Cadre member, you will:

- Propose and Facilitate Conference Breakout Sessions for Noyce Scholars and Teachers
- Engage in collaborative conversations in an innovative table discussion format

Hosting Video Clubs

- Video clubs are intended to provide STEM teachers an opportunity to:
 - Make sense of pedagogical strategies and student thinking by noticing and interpreting interesting moments from authentic classroom practice
 - Grow their understanding of reform-minded STEM teaching and learning.
- Each video club will have 4 teacher participants

Hosting Video Clubs

As a Cadre member, you will:

- Propose and offer a Video Club to the Noyce STEM teaching Community over Zoom
- Choose specific topics that are either relevant to a specific content area or generalizable to pedagogical practices
- Engage participants in reflective practice related to pedagogical practices and student thinking

[Learn More about Video Clubs Here](#)

Professional Learning Communities (PLCs)

- PLCs are intended to provide STEM teachers an opportunity to enhance teaching practices to improve student learning.
- Each PLC will have 4 teacher participants
- PLCs will be organized specific to grade bands (eg. elementary, middle school, high school) and to specific content (eg. respiration, modeling with mathematics, interpreting linear models).

Professional Learning Communities (PLCs)

- **As a Cadre member you will:**
 - Propose and offer one PLC per year on Zoom
 - Choose topics that maintain a focus on teaching practices (focuses on justice centered and culturally responsive STEM teaching practices will be encouraged)
 - Engage participants in productive and collaborative conversations to enhance teaching practices to improve student learning

1:1 Coaching for Early Career STEM Teachers

- 1:1 Coaching is intended to
 - provide early career STEM teachers to seek additional support to translate new understandings into practice.
 - Support the Noyce Professional Learning Network participants to find this additional support through our other professional learning opportunities (Video Clubs, PLCs, and regional conferences)
- **As a facilitator, you will:**
 - Provide up to 8 hours of virtual 1:1 coaching per year

Next Steps

1. Join our information list:

Click [here](https://my.warner.rochester.edu/forms/center/view.php?id=24805): <https://my.warner.rochester.edu/forms/center/view.php?id=24805>

2. Check out our website at:

<https://www.rochester.edu/warner/center/teacherleadercadre/>

3. Optional: Sign up for an individualized information session ([Click here](#))

4. Apply!



NORTHEAST NOYCE PROFESSIONAL LEARNING NETWORK



Teacher Leader Cadre Program

Have specific questions?

Contact: Angela Messenger: amessenger@warner.rochester.edu

