



Rober Noyce Teacher Scholarship Program Track 3: Master Teaching Fellowships at Montana State University – Round 1

Rural and American Indian School Educators as Science, Technology, Engineering, and Mathematics Leaders (RAISE STEM Leaders)



<https://www.montana.edu/smrc/noyce/>

(NSF Award No. 2345186)

**MSU Noyce Master Teaching Fellows
Town Hall Meeting & Reception Dinner**
Tuesday, Aug. 4, 2026
4:30 – 6:30 PM
AIH 166, MSU





Robert Noyce Teacher Scholarship Program Track 3: Master Teaching Fellowships

4:30 PM – 5:30 PM Town Hall Meeting

Dr. Fenqjen Luo – Noyce Recruitment, Policy & Expectations

Dr. Paul Gannon – [Floating license and form](#)

Dr. Marcie Reuer – Rural Education

5:30 PM – 6:30 PM Reception Dinner



Recruitment:

27 — a perfect cube (3^3)

School District	School	MTF#
Browning	Browning High & Napi Elem	4
Colstrip	Frank Brattin Middle	1
Cut Bank	Cut Bank High	2
Fromberg	Fromberg Middle & High	1
Hardin	Hardin Middle & Crow Agency	5
Harlowton	Harlowton High School	1
Polson	Polson High School	3
Power	Power High School	1
Pryer	Plenty Coups High	1
Ronan	Ronan Middle	2
St. Ignatius	St. Ignatius Middle	1
St. Labre	St. Labre High	2
Superior	Superior JH/HS	3
Total	School District: 13	MTF: 27



Robert Noyce Teacher Scholarship Program Track 3: Master Teaching Fellowships Goals/Objectives



The project aims to empower in-service teachers to become exemplary STEM leaders who draw on locally relevant knowledge and community context to **enhance academic rigor and increase student engagement in STEM education for all learners.**

1. Enhancing the **leadership competence** of 27 certified, in-service STEM educators over five years.
2. Integrating **funds of knowledge** and Montana's **Indian Education for All (IEFA)** into STEM curricula and instruction



Place-based education? Cultural responses teaching?

3. Empowering MTFs to lead **formal and informal STEM activities** tailored to increase student engagement in STEM learning.



Clear expectations?

Goal 1: Engaging as a STEM Teacher Leader

Short Reflection/Story (2-3 sentences):

Math for All Teacher Leader - Worked with Polly as a facilitator/leader for the Math for All program being implemented in 4 local schools over the course of the full school year.

Staff Inservice Presenter - Presented at teacher inservice day at my school on integrated some of our technology into our classroom.

Support Files:

MATH FOR ALL Research Overview 2025–2026 School Year

AM Session 3 (10:00 - 10:55 a.m.)

-ACTIVE Inspire/Promethean Board (Middle/High School Level) – Bill Becker

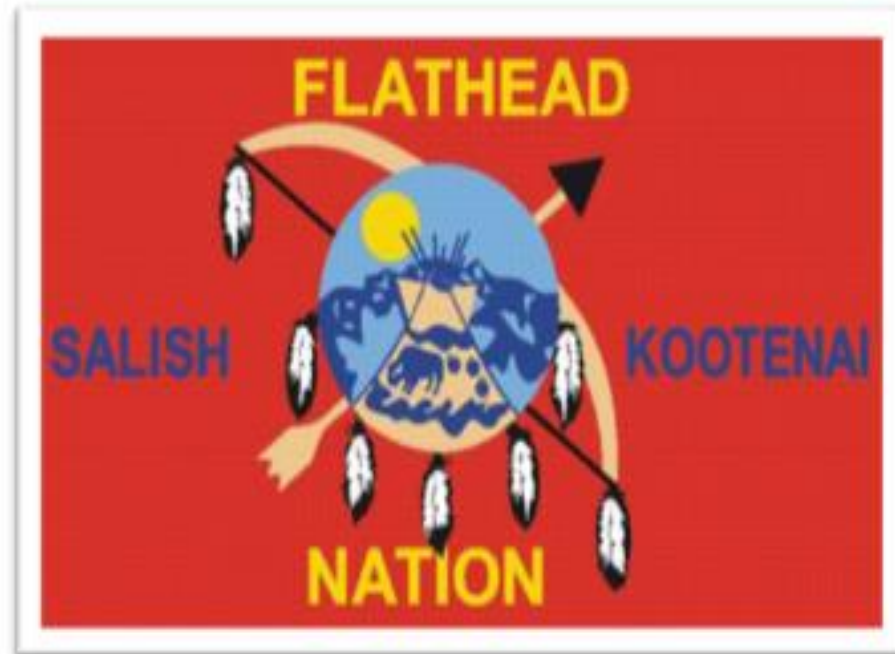
Location: RMS room #604 Bill Becker

Goal 2: Integrating funds of knowledge and Montana's Indian Education for All (IEFA) into STEM curriculum and instruction

Short Reflection/Story (2-3 sentences):

- My **Flathead Nation Graphing Project** has been a huge success. I turned it into a usable file for others and will be presenting it at this year's STEM Summer Institute.

Support Files:

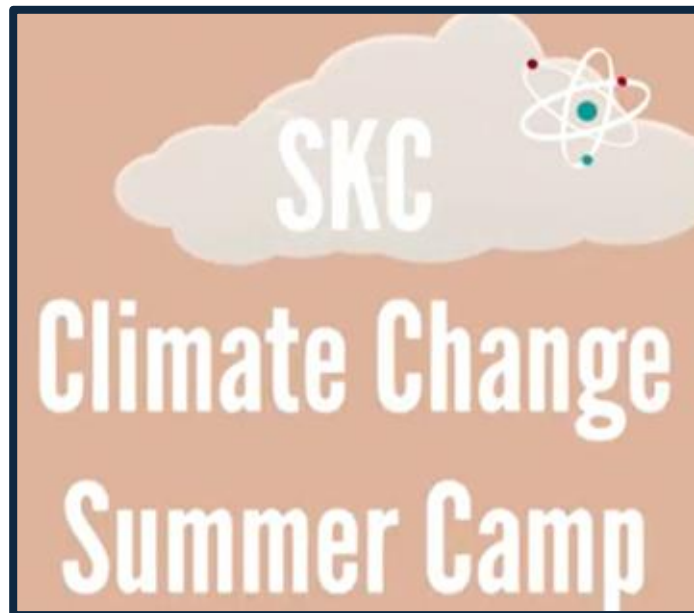


Goal 3: Designing and facilitating formal and informal STEM activities

Short Reflection/Story (2-3 sentences):

- I also developed and used several lessons via a summer partnership with Salish Kootenai College and the Flathead Valley Boys & Girls Clubs of Ronan, Polson and Mission.
- Developed a Cross Curricular Thematic Unit Centered on the SKQ Dam on the Flathead Reservation through Polar STEAM Fellowship. [PROJECT DESCRIPTION](#) and [FELLOWSHIP BIO](#).

Support Files:



What training and professional development activities have you participated in over the past year?

Trainings & Fellowships:

NCTM Regional Conference in New Orleans - March 16-18, 2026 [CERTIFICATE](#)

Public Health in Schools Teacher Workshop - University of Montana - May 21, 2026 [CERTIFICATE](#)

Clean Energies Fellows: Pacific Northwest Power Grid Cohort - 2024-2025 School Year [CERTIFICATE](#)

Polar STEAM Fellowship - Oregon St. 2025-2026 School Year [PROJECT DESCRIPTION](#) & [FELLOWSHIP BIO](#)

Indigitize Generation AI Community of Practice - Online - Spring 2026 [CERTIFICATE](#)

aiEDU Trail Blazers Fellowship - Hybrid Online & Polson, MT - Fall 2025 [CERTIFICATE](#)

Tribal PIR Inservice Day at Salish Kootenai College - September 15, 2025 [CERTIFICATE](#)

To Learn a New Way: Indian Boarding School Curriculum Series- December 16, 2025 and January 7, 2026
Salish Kootenai College - [CERTIFICATE 1](#) & [CERTIFICATE 2](#)

STEM Summer Institute - Montana State University Bozeman - July 28-30, 2025 [CERTIFICATE](#)

What awards, honors, special accomplishments, or unique experiences did you have over the past year that haven't been mentioned in the previous slides?

Ronan Middle School Academic Bowl Team Coach

1st Place Team - Lake County Academic Bowl Season [NEWSPAPER](#)

Ronan Middle School MATHCOUNTS Team Coach

4th Place Team - MATHCOUNTS Kalispell Chapter (3rd Place Individual)

LIVE with Po-Shen Loh Scholarship Recipients

Seven 6th Graders participated in the Fall 2025 Cohort

Featured on GLOBE Alumni Engagement Series

[FULL RECORDING](#)

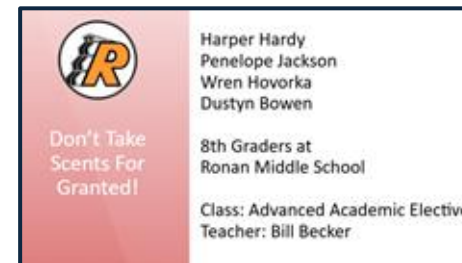
[ENGAGING ALUMNI \(BECKER\)](#)

Teaching Lab Studio Research Study Partner - Tangle and Thrive

[PROGRAM DESCRIPTION](#)

SPARK Research Symposium at University of Montana

2 Research Teams Presented their Research Projects at U of M







Robert Noyce Scholarship Program: **Master Teaching Fellowship Track**

“The term “fellowship” means funds awarded: ...in the NSF Master Teaching Fellowships Track to a STEM teacher (in which case the funds are also referred to as a salary supplement).” (p.7)

Source: Robert Noyce Teacher Scholarship Program Solicitation in 2023



Robert Noyce Scholarship Program: **Master Teaching Fellowship Track**



“MTFs with elementary certification or licensure should teach mathematics and/or science for at least 50% of their classroom teaching responsibilities” (p. 15)

Source: Robert Noyce Teacher Scholarship Program Solicitation in **2023**

Note. MSU Noyce MTF program will verify the status of your course teaching responsibilities every year during your fellowship period.



Amount and Duration of Salary Supplements (Track 3: MTF)

“...While participating in the program and teaching in a high-need LEA, MTFs must receive a salary supplement of **\$10,000** or more per year for each year of **the five-year teaching commitment period** (for those possessing a master’s degree) or **each of the four-year teaching commitment** (for those possessing only a bachelor's degree) after earning the master's degree.” (p.15)

Source: Robert Noyce Teacher Scholarship Program Solicitation in 2023

- MSU Cohort 1 Noyce Master Teaching Fellows: Fellows possess a master’s degree
- MSU Cohort 2 Noyce Master Teaching Fellows: Fellows only possess a bachelor’s degree in Education or STEM



MSU Noyce MTF Budget

Total Awarded Budget: \$2,999,688

Total Awarded Budget for Participants: \$2,017,856

F. PARTICIPANT SUPPORT COSTS				
1. STIPENDS	\$	1,618,500		
2. TRAVEL		230,450		
3. SUBSISTENCE		0		
4. OTHER		168,875		
TOTAL NUMBER OF PARTICIPANTS		(156)	TOTAL PARTICIPANT COSTS	2,017,825

- Scholarships (tuitions included)
- Need to meet 40/60 Requirements



Projected Noyce Paycheck/Stipend Calendar

Q: Payment schedule inconsistencies?

Cohort	Semester	2024	2025	2026	2027	2028	2029	2030
1 (\$60K: \$12K per yr. up to 5 yrs.)	Spring		\$4K (Mar.) Group A	\$4K (May)	\$4K (May)	\$4K (May)	\$4K (May)	
	Summer + Fall		\$4K (Sep.)	\$4K (Sep.)	\$4K (Sep.)	\$4K (Sep.)	\$4K (Aug.)	
	Winter		\$4K (Dec.)	\$4K (Dec.)	\$4K (Dec.)	\$4K (Dec.)	\$4K (Dec.)	\$4K (May.) Group B
2 (\$60K: Tuition + \$12K per yr. up to 4 yrs.)	Spring		Bonus tuition 2	Tuition 3	\$4K (May)	\$4K (May)	\$4K (May)	\$4K (May)
	Summer + Fall		Tuition 1 +\$2000	Tuition 4 + \$2000 \$4K (Sep.)	\$4K (Sep.)	\$4K (Sep.)	\$4K (Aug.)	
	Spring	Bonus tuition 1	Tuition 2	\$4K (Dec.)	\$4K (Dec.)	\$4K (Dec.)	\$4K (Dec.)	

NOTE:

1. The MSU Noyce program will try to process your paycheck/stipend by the end of the scheduled month. However, it could take you one or two more months to receive it.
2. The term “fellowship” means funds awarded ...in the NSF Master Teaching Fellowships Track to a STEM teacher (in which case the funds are also referred to as a salary supplement)(p.8).

+\$2000



Projected Noyce Paycheck/Stipend Calendar

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1 (\$60K: \$12K per yr. up to 5 yrs.)	Spring		\$4K(Mar.) Group A	\$4K (May)	\$4K (May)	\$4K (May)	\$4K (May)	
	Summer + Fall		\$4K (Sep.)	\$4K (Sep.)	\$4K (Sep.)	\$4K (Sep.)	\$4K (Aug.)	
	Winter		\$4K (Dec.)	\$4K (Dec.)	\$4K (Dec.)	\$4K (Dec.)	\$4K (Dec.)	\$4K(May.) Group B
2 (\$60K: Tuition +\$12K per yr. up to 4 yrs.)	Spring		Bonus tuition 2	Tuition 3	\$4K (May)	\$4K (May)	\$4K (May)	\$4K (May)
	Summer + Fall		Tuition 1 +\$2000	Tuition 4+\$? \$4K (Sep.)	\$4K (Sep.)	\$4K (Sep.)	\$4K (Aug.)	
	Spring	Bonus tuition 1	Tuition 2	\$4K (Dec.)	\$4K (Dec.)	\$4K (Dec.)	\$4K (Dec.)	

1. MTFs is funded by **Robert Noyce Teacher Scholarship Program**
2. “Scholarships are **not** considered **taxable income** or **loans** during the period of the scholarship support.” “Stipends are not considered taxable income or loans during the period of the stipend support.”

Source: Robert Noyce Teacher Scholarship Program Solicitation in 2023



Unclear tax documentation ?



Recipient Obligations

An institution receiving a grant under Track 1: S &S, Track 2: TF, or Track 3: MTF agrees to:

1. ensure that Noyce recipients accept the terms of the scholarship, stipend, or fellowship and that recipients provide annual certification of employment and updated contact information;
2. supply to NSF relevant statistical and demographic data on Noyce recipients
3. cooperate with NSF third-party project monitoring that will require annual data collection; and
4. monitor, track, and report on the compliance of Noyce recipients with their teaching service commitments.
5. collect and report data on recipients' persistence as classroom teachers beyond their service commitments; the reporting requirement may extend for up to 12 years following the end date of the award and submission of the final project report.



Recipient Obligations



“...the recipient will be required to repay all or a portion of the scholarship, stipend, or fellowship, if the recipient:

1. fails to maintain an acceptable level of academic standing in the program in which the individual is enrolled;
2. is dismissed from the program or institution for disciplinary reasons;
3. withdraws from the institution or program before completion of program requirements;
4. declares that the teaching service commitment will not be fulfilled; or
5. fails to fulfill the teaching service commitment.

If such circumstances occur before the completion of one year of the teaching service commitment under any track, the total amount of scholarship, stipend, or fellowship received by the individual must be repaid.

If the circumstance occurs after the completion of one year of the teaching service commitment, the amount to be repaid will be as follows:

Track 3: MTF – “one-half of the total amount of salary supplements received, including fellowship support in year one for MTFs without master's degrees.”



Cash Repayment Obligation

The following description could be included in the MSU agreement projected to be signed in October for a Cohort 2 fellow:

“The full remaining balance of the Scholarship Loan and Stipend will become immediately due and payable in accordance with the terms of the Promissory Note and this Agreement, if the Fellow:

- (1) fails to successfully complete the degree requirements of the Master Science in Science Program in the University’s College of Letters and Science; or
- (2) resigns or is terminated from employment by the School District.

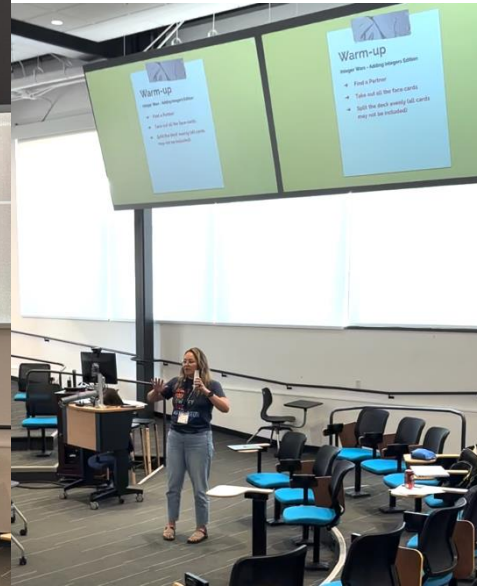
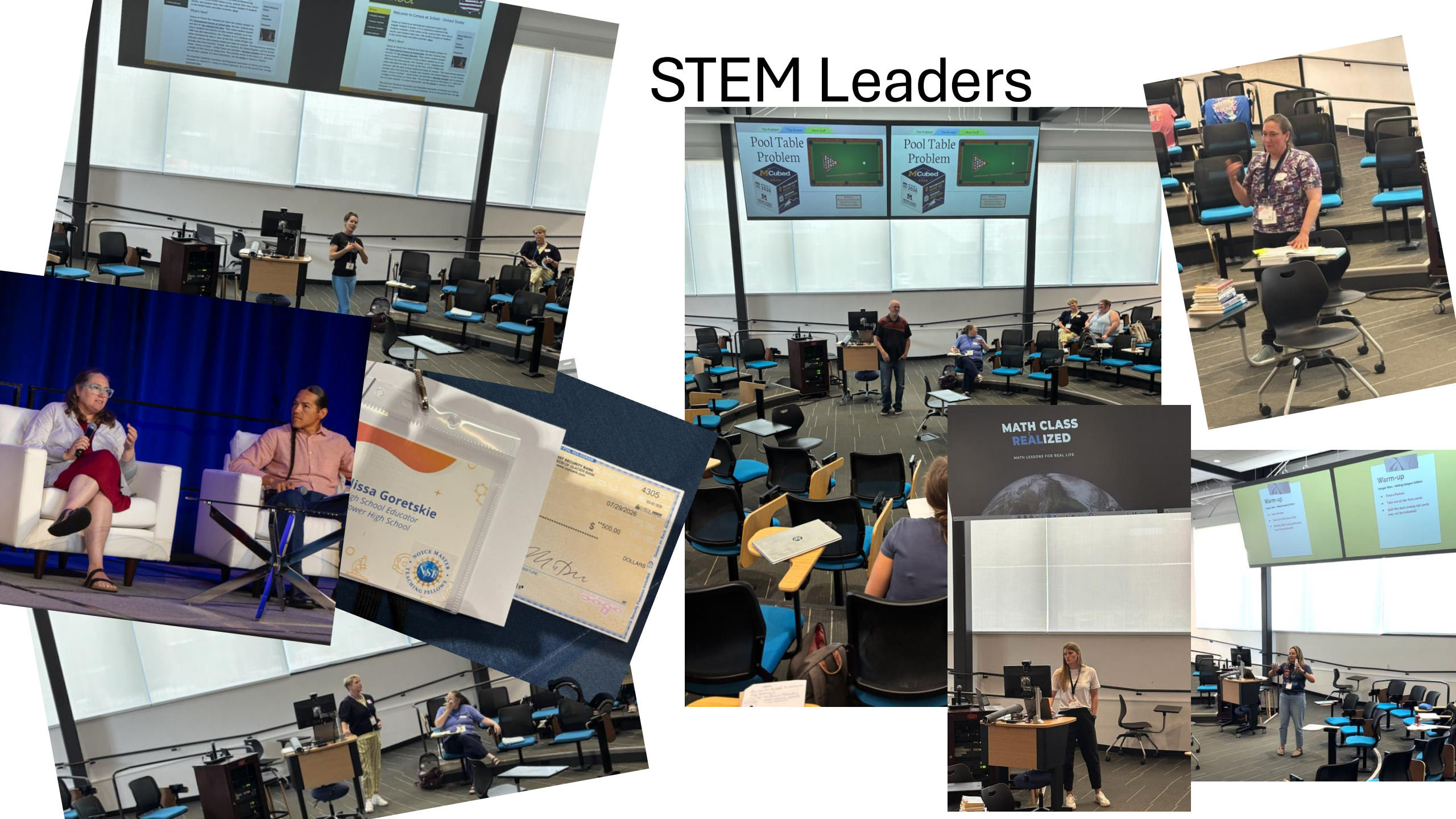


MSU Noyce Fellowship Agreement & Promissory Note I.B: Fulfill Teaching Service Commitment and Leadership Role



1. **Serving as a full-time STEM teacher in a high-need LEA for a total of five years (Note. Teacher Retention).**
2. Assuming a teacher leadership role within the school or high-need LEA where the MTF is employed, while meeting the teaching service commitment determined by the school and Montana State University, in addition to regular classroom responsibilities. Examples of such leadership activities include mentoring, participating in curriculum development, assisting with the planning and implementation of professional development experiences, and contributing to pre-service teacher education.
3. Taking on a leadership role in a regional, state, or national professional organization or development event as a lead person at least twice during the five-year fellowship term. Examples of such leadership activities include serving as a board member of a regional, state, or national professional education organization or leading a professional development.

STEM Leaders





MSU Noyce Fellowship Agreement & Promissory

Note I.C: Professional Development Growth

Professional Development/Learning	Expectation	Time & Duration
Joint Meeting of the Montana STEM Summer Institute (SSI), hosted by School Services of Montana, and the Annual STEM Leadership Academy, organized by the MSU Noyce Project Team	Mandatory for all	5 days between late July and early August
Online Monthly Meeting	75%+ participation rate for all	2nd Wednesday of each month from 7:00 to 8:00 PM, for four months each academic semester.
In-State Meetings, Conferences, and/or Training: MFPE, OPI Summer Institute, MCTM Mcubed, etc.	At least once per year to network with MTFs or other proactive teachers (Note. Exempt for Cohort 2 Teacher Fellows until Fall 2025)	
Out-of-State Conferences and/or Training: WRNN (Western Regional Noyce Network), Noyce Summit, etc.		

Monthly Meetings (Online)

Fall 2026 – Discussion and Planning (Friday, August 7)

- MTFs sought greater autonomy in shaping their own learning agendas.
- MTFs will take turns serving as leaders for the monthly meetings.



Networking

- Smaller, **discipline- or grade-level breakout groups** (e.g., math vs. science, middle vs. high school)?
- **Regional subgroups** for nearby schools (e.g., Hardin, Lame Deer, Colstrip)?



- **Subgroup leaders?**





What other evidences may MSU Noyce MTF program collect and measure?

1. Lead a STEM extracurricular activity (e.g., FIRST Robotics Competition, Science Fair, Science Olympiad, MathCounts, community STEM day)
2. Increase STEM achievement scores for All Students
3. Develop and implement a culturally responsive STEM curriculum
4. Provide a STEM PD workshop (e.g., SSI, MFPE, MCubed speaker, OPI Learning Hub leader)
- 5....

Resource Development

- Create a **centralized database** of:
 - Lesson plans, IEFA-integrated activities, and STEM resources.
 - Recorded presentations and conference materials.
 - Articles and research relevant to rural and Indigenous education.
- Ensure resources remain accessible **beyond the grant period**.



Canvas Navigation

- I struggled with **Canvas navigation** and need a “cheat sheet” or tutorial.



Q & A



1. Are Noyce participants responsible for travel expenses?

MSU's Noyce program will support fellows for MSU housing, meals, and registration fees in attending the joint meeting of STEM Summer Institute Annual STEM Leadership Academy from summer 2025 to summer 2029 and two out-of-state Noyce meetings

MSU's Noyce program may not be able to support other PD travel expenses. Fellows may need to use their Noyce stipends to cover additional travel.

2. Can online meetings be used to take the place of in-person visits?

No.

3.