Wipro Science Education Fellowship

CENTRAL MISSOURI K-12 SCIENCE AND MATH TEACHERS

GROW PROFESSIONALLY AS A CLASSROOM TEACHER AND INSTRUCTIONAL LEADER
APPLY NOW!

6-12 teachers: two-year program, 2024-2026

K-5 teachers: two-year program 2024-26 *or* one-year program 2024-25

Application forms and complete information available at http://wiprosef.missouri.edu

IMPORTANT DEADLINES:

We request an optional Intent to Apply form be submitted asap.
Full Application form target date: preferably by **April 30, 2024**. Applications will be accepted after that date if spots are available. Decisions will be announced on a rolling basis.

COMPENSATION

Two-year Fellows receive $4000.00 in stipends, paid over two years.
One-Year K-5 Fellows receive $2000.

CONTACTS

Profs. Meera Chandrasekhar or Linda Godwin
Physics Department, University of Missouri
Email: wiprosef@missouri.edu

Wipro Science Education Fellowship

GROW PROFESSIONALLY AS A CLASSROOM TEACHER AND INSTRUCTIONAL LEADER

The Wipro Science Education Fellowship (Wipro SEF) at the University of Missouri (MU) is made possible by a Phase 2 grant from global information technology company, Wipro Ltd. and the Center of Science and Mathematics in Context (COSMIC) at the University of Massachusetts Boston.

This program is committed to improving teacher practice by:

- Developing teacher leaders
- Combining the teaching of math and science through collaborative teams of math and science teachers
- Increasing student achievement in the math and sciences.

This call is to recruit teachers for one and two-year programs (Cohorts 5 and 6) in the last year of recruiting for Wipro SEF.

Teachers from the 2018-22 Wipro SEF program are welcome to apply.

Up to 15 science and math teachers from grades K-12 in Central Missouri schools will be selected. K-5 teachers may choose to participate in the two-year or the one-year program. Grade 6-12 teachers must participate for two years. Cohort 6 Fellows in the two-year program will earn a stipend of $4000; Cohort 5 Fellows in the one year program will earn $2000.

To be part of the Fellowship program, teachers must apply in teams. Each team should

- Be from the same school or district in a given cohort (one-year Cohort 5 or two-year Cohort 6)
- Be from the same grade band (K-5, middle or high school)
- Consist of 2-4 teachers
- Consist of at least one math and one science teacher. K-5 teams should designate "math" or "science" teachers for the duration of the project.

Applications forms are available on the project website.

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ELIGIBILITY

Wipro SEF at the University of Missouri is an intensive program that will require an average of about 72 hours of your time each year. You should carefully consider your other teaching and professional obligations before applying.

REQUIREMENTS:

A teacher should

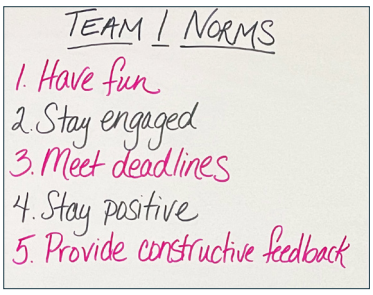
- Have taught grades K-12 for at least two years. 6-12 teachers must teach math or science.
- Have been employed by your current school district for at least two years.
- Hold a valid license to teach your subject at your teaching level.
- Be committed to remain in the classroom for the entire term of the fellowship.
- Have the support of your school administrator due to extra commitments during the school year.

Wipro Science Education Fellowship

Creating a corps of experienced math and science teacher leaders

Hosted by the University of Missouri in Columbia, the Wipro Science Education Fellowship will help you in three areas important to your professional growth.

1. *Thinking about teaching*: Fellows engage in research-based, structured inquiry into their own teaching and growth, focusing on NGSS Science and Engineering Practices and Common Core Mathematical Practices.
2. *Educational Leadership*: Fellows identify opportunities to take leadership roles within their buildings and districts, with support from their administrators.
3. *Lesson Plans*: Fellows identify and pursue opportunities to collaborate among math and science teachers and create lesson plans that can be used widely.



The Missouri Wipro SEF faculty team

Meera Chandrasekhar, Professor of Physics Emerita, MU, has been the PI of several teacher PD projects since 1992, including A TIME for Physics First and Phase 1 of Wipro SEF (2018-22).

Linda Godwin, Retired Astronaut, NASA, and Professor of Physics Emerita, MU, has worked with the PhysTEC project and several outreach projects during her time at NASA and MU.

Wipro SEF leads to collaborative and individual growth

In this program you will work in vertically and horizontally aligned groups as well as individually to improve your classroom practice while setting and meeting personal and professional development goals.

Collaborative Work

- Develop relationships with teachers across content areas and levels.
- Participate in the SEF-adapted Collaborative Coaching and Learning of Science (CCLS) model based on the group's schedule.
- Observe other teachers' videotaped lessons and provide feedback; receive peer feedback on your lessons.
- Anchor feedback and reflections in research.
- Observe teaching and learning across content areas and levels.
- Create math and science lessons that complement math and science practices.

See p. 4 for further details.

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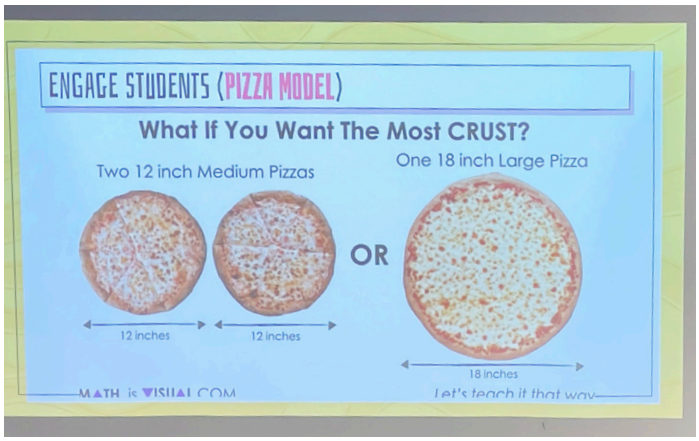
A COMMITMENT THAT WILL
CHANGE THE WAY YOU TEACH
AND IMPACT HOW YOUR STUDENTS LEARN



TWO-YEAR K-5 AND 6-12 FELLOWS, COHORT 6 (2024-26)

YEAR ONE: TEACHING MATH AND SCIENCE IN A COMPLEMENTARY MANNER

MONTHLY MEETINGS (AUGUST – MAY)

During Year 1, all Fellows gather as a group at MU once per month to engage in professional development in the areas of instruction, reflective practice, adult learning, and leadership. Meetings will occur at MU's Columbia campus, or occasionally, online.

COLLABORATIVE COACHING AND LEARNING OF SCIENCE AND MATH (CCLS) GROUPS

Smaller groups of Fellows meet in CCLS groups, share recordings of their teaching in the classroom, reflect on science content, pedagogy, and how to improve teaching math and science in a complementary manner.

The small groups determine their own schedules, courses of study, and the lessons they will be taping and observing. Fellows will create lessons that approach math and science in a complementary manner.

YEAR TWO: CREATING COMPLEMENTARY MATH AND SCIENCE LESSONS FOR USE IN WIPRO PROJECT SCHOOLS

MONTHLY MEETINGS (AUGUST – MAY)

Based on the lessons learned in Year 1, math and science teachers will collaborate and create lessons that can be used in their schools as well as in other Wipro project schools. These collaborative meetings will be conducted at MU and online. Fellows will also meet in their districts.

They will share these lessons, help publish them on a project-created website, and provide professional development for their peers.

ONE-YEAR K-5 FELLOWS, COHORT 5 (2024-25)

One-year K-5 Fellows will join current grade 6-12 Cohort 5 Fellows in Year 2 of their participation in the Wipro SEF program. They will collaborate on topics of interest in the vertical articulation of math and science content across the K-12 spectrum. K-5 Fellows will also create lessons that approach math and a science in a complementary manner.