

The New Teacher Center's e-Mentoring for Student Success (eMSS) is an innovative, nationwide content and exceptionality specific online mentoring program that accelerates the growth and increases the retention of new science, math, and special education teachers.



Providing Instructional Mentoring for Content Experts

Talented and expert science, math and special education teachers are often in short supply in hard-to-staff schools. School leaders have limited ability to release the few content experts available from their classrooms to focus on instructional mentoring or professional development of their newer colleagues. Even with face-to-face induction and mentoring programs in place, science, math, or special education teachers may have nowhere to turn for content or exceptionality specific support or professional development related to their subject area.

By partnering with NTC and enrolling beginning teachers in our eMSS service—whether one or one hundred—partners benefit from a cost-effective, high quality, content/exceptionality specific solution.

A Ready to Use Solution

NTC staff manage all aspects of the program administration from enrollment and reporting to individual new teacher support that provides seamless implementation for our partners.

Program Highlights

eMSS brings together new and veteran teachers and university mathematicians, scientists, and special education professors to collaborate in an interactive online community, exchange information, ideas, experiences and expertise framed within a

structured program curriculum based on research and best practice in teacher development and online learning. The goal: advancing high-quality math, science and special education instruction for all students.

NTC's eMSS program provides partners with:

- Research and curriculum-based support for new teachers that is based on best practice in teacher development and online learning and continually evaluated and refined by both by experts in the field as well as by feedback from eMSS participants
- A matching of new teachers with mentors who teach the same content/exceptionality and grade level(s) and can advance practice
- Improvements in new teacher skill level and understanding of content
- Improved teacher satisfaction and retention

Ensure your teachers learn from the best

NTC eMSS mentors and facilitators are the highest-caliber in the country:

- **30% are Presidential Award recipients or finalists**
- **Over 40% are National Board Certified**
- **Over 70% have received state or national level recognition**

► To discuss your state or district's support needs for beginning teachers of math, science or special education, email us at emss@newteachercenter.org or call **831.600.2200**

► More information and a comprehensive brochure on eMSS can be found at www.newteachercenter.org/services/emss

eMSS Program At-a-Glance



A private venue where mentees work one-on-one with their mentors to develop their teaching practice and gain insights from an experienced teacher of the same grade and subject.



Discussion forums for groups of mentors providing ongoing professional development and support.



Facilitated, classroom-focused professional development modules focus on pedagogical or content practices with small groups of participants in a plan/prepare, teach/assess, and reflect/analyze cycle.



A community space where teachers participate in content-focused discussion forums on dilemmas of practice facilitated by teacher leaders and academic experts and can access supporting resources.

Benefits of Participation

The eMSS flexible technology platform:

Our Place • Mentor Place • Explorations • Community Forums & Resources

These components combine to provide participating new teachers with the customized, instructional support they need for their classroom context.

eMSS enrollment offers beginning teachers of math, science and special education numerous benefits including:

1. One-on-one relationship with a mentor who has experience in the same teaching discipline or subject—exceptionality and grade level—not a mentor-match based simply on proximity or convenience
2. Access anytime, anywhere to a nationwide, online network of math, science, and special educators and university faculty that facilitates the exchange of information, ideas and resources
3. A facilitated curriculum that focuses on content and pedagogy and guaranteed responses to questions
4. The opportunity to engage in conversation, exchange ideas on planning instruction, and reflect on classroom teaching with other beginning teachers as well as mentors working on similar goals
5. Personalized activities based on interests and needs
6. Flexible online tools and a technology interface that is easy to learn and use

Proven Results in Teacher Development

Independent, third-party research found that eMSS participants attribute their learning and development specifically to support from mentors as well as reading, discussing, practicing and reflecting on their eMSS program experiences.

eMSS significantly benefitted participants':

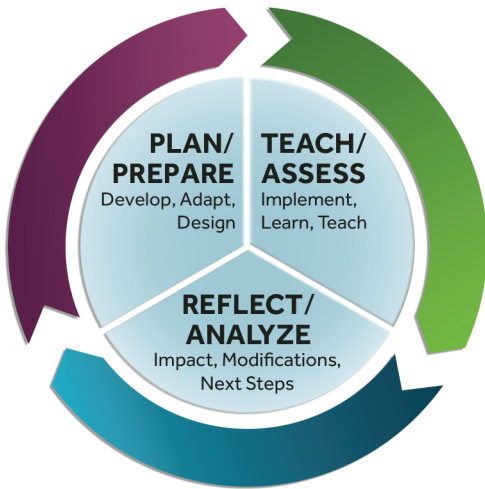
- Ability to teach subject-specific content and preparedness to teach challenging courses and curricula
- Confidence to teach content
- Accurate representation of material
- Preparedness in basic teaching and classroom management skills
- Willingness to experiment—particularly when traditional methods do not work
- Overall teacher satisfaction
- Rejuvenation for science and math teaching
- Encouragement to remain in the field

"eMSS gave me a variety of lesson plans and strategies to use in my classroom that were engaging and fun. This took my teaching to a whole new level—all of a sudden I had a resource to go to and I wasn't alone in my classroom"

—First Year Science Teacher



Explorations are a selection of eight week, classroom-based, targeted, online professional development modules. Each module is divided into three parts: Plan/Prepare, Teach/Assess, and Reflect/Analyze.



Topics include:

- Managing Student Behavior
- Effective Labs
- Analyzing Student Work
- Looking at Student Understanding
- Using Technology in the Classroom
- Lesson Design
- Texas Instruments Technology
- Uncovering Student Ideas in Science
- Accommodations- Modifications in Curriculum
- Math Manipulatives

and many more.....

Registration Fee: \$150 per Exploration Module

Professional Development Credits

Beginning teachers can earn 30 professional development hours through participation in an Exploration.

In addition, 3-quarter credits from the University of California, Santa Cruz Extension may be earned for successfully completing the inquiry for an additional fee of \$150.

Information on how to register for credit will be available once the Inquiry begins.

ABOUT NEW TEACHER CENTER

New Teacher Center focuses on improving student learning by accelerating the effectiveness of new teachers. NTC partners with states, school districts, and policymakers to design and implement systems that create sustainable, high-quality mentoring and professional development; build local leadership capacity; work to enhance teaching conditions; improve teacher retention; and transform schools into vibrant learning communities where all students succeed.

More information at:

<http://communities.newteachercenter.org>

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Explorations



Online Professional Development for Math, Science and Special Education Teachers

Are you a new, secondary (Grades 6-12) math or science teacher or K-12 special education teacher in need of personalized instructional support?

If so, register for an **Exploration** from the New Teacher Center to deepen your teaching practice, boost your student learning and earn professional development hours and university credits.



More information at:

<http://communities.newteachercenter.org>

TRY AN EXPLORATION FOR FREE

Explorations



New Teacher Center is offering beginning teachers of secondary math and science (Grades 6-12) the opportunity to experience an Exploration online professional development module for **FREE**.

A limited number of FREE enrollments are being offered to the following two Exploration Modules on three occasions throughout the year. Don't miss out on this amazing opportunity to deepen your teaching practice and boost your student learning - at no cost. Enrollment is limited - sign-up now at: <http://communities.newteachercenter.org>.

Explorations - Math Formative Assessment Lessons Module (Grades 7-12)

Good formative assessment increases both the effectiveness of teaching and student achievement. Teachers use assessment to continually gather student data that informs instruction intended to help students master the Common Core State Standards in Mathematics. In this inquiry, teachers will select a lesson from a bank of Formative Assessment Lessons (FALs) developed with funding from the Gates Foundation with the support of a community of mentors and facilitators. Teachers will assess students to uncover student misconceptions and/or gaps in the content, and then use the FALs to help plan and facilitate collaborative and whole-class activities that support mastery of the content. Finally, teachers will re-administer the assessment, analyze results, and reflect on lessons learned – both in terms of effective instruction and student achievement.

Explorations - Science Inquiry

Inquiry is a term that is used frequently when describing science teaching, yet often what is described is not really inquiry science teaching. This free professional development module focuses on defining inquiry teaching based on the National Science Education Standards. In addition, you'll have the opportunity to watch inquiry in practice through the multimedia module, and develop your own inquiry-based lessons. Inquiry is a pedagogical strategy that asks students to connect new ideas to their prior experiences, design processes for data collection, investigate the natural world, and construct meaning through data analysis.

Successful registrants will be placed in a small online community and receive individualized feedback from online mentors and the community. The format provides flexibility and ensures that content is adapted to meet your needs and customized to your own unique teaching situation.

Enrollment is limited – sign up now at:
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Community Forums & Resources

is one of four component parts of New Teacher Center's e-Mentoring for Student Success (eMSS) service. Offered as a stand-alone service, Community Forums & Resources affords states, districts and organizations a highly cost-effective means of providing math, science and special education teachers with a virtual community of practice that supports their professional development. The service supplements and enhances teacher induction and instructional mentoring by providing discussion forums and resources that align with the specific content and exceptionality needs of these key teachers, especially when such support is not available or limited at a local level.

Like all components of NTC's eMSS service our Community Forums & Resources advances the practice of new science, math and special education teachers. Research indicates participants become more confident to teach subject- or exceptionality-specific content and challenging curricula and in basic teaching and classroom management skills.

Request more information:

email: emss@newteachercenter.org

call: 831.600.2200.

Learn more about eMSS online:

newteachercenter.org/services/emss

ABOUT NEW TEACHER CENTER

New Teacher Center focuses on improving student learning by accelerating the effectiveness of new teachers and school leaders. NTC partners with states and school districts, and policymakers to design and implement systems that create high-quality mentoring and professional development; build local leadership capacity; work to enhance teaching conditions; improve teacher retention; and transform schools into vibrant learning communities where all students succeed.

Community Forums & Resources



An online community of practice where

teachers participate in content-focused discussion forums on instructional content, pedagogy, and discussions facilitated by teacher leaders and academic experts and can access supporting resources.



Community Forums

Three types are provided:

Dilemmas: a short, open-ended scenario that poses a question about a specific teaching challenges and encourages teachers to read and respond. Mentees and mentors discuss the dilemma online and through collaboration offer possible solutions. The nature and structure of a dilemma invites a wide range of ideas and offers participants opportunities to exchange and gather contrasting perspectives.

Topic of the Month: a different in depth discussion topic each month for math, science and special education. Topics focus on best practices and research and include conversations around Common Core state standards and Next Generation Science Standards - resulting in practical applications for the classroom.



Conversations: these discussion forums allow participants to connect with others teaching the same content or working with children who have similar exceptionalities. Mentees ask, for example, for math or science teaching ideas or strategies for children with special needs, and receive support and ideas from the large nationwide network of



educators, university content specialists, and other new teachers. Discussion ranges between content questions to pedagogical challenges.

Math Content Conversations
Middle School High School
Science Content Conversations
Chemistry Life Science/Biology Physics Earth Science
Special Education Conversations
Early Childhood Autism Spectrum Disorders Mild/Moderate Disabilities Significant Disabilities Emotional Disability

Teacher Benefits

Teachers who participate in and have access to eMSS Community Forums & Resources benefit from:

- ▶ Individualized content- or exceptionality-focused, grade-level support
- ▶ Feedback and guidance from experienced veteran educators
- ▶ High quality, scaffolded resources for math, science and special education including lesson plans
- ▶ Engaging discussions about dilemmas of practice
- ▶ Ability to share experiences and problem solve with other new teachers with common challenges
- ▶ Interaction with university scientists, mathematicians and special education faculty
- ▶ Up to 30 hours of professional development credit per year