

What is the purpose of NMPDS?

NMPDS addresses the statewide need to build required skills and knowledge teachers need in order to fully teach complex topics in number sense, algebra, geometry, and data analysis.

What does a typical session look like?

Classroom math teachers from across the state are equitably identified to attend trainings held during the school year and summer in multiple sites across the state in order to engage in professional development instructional strategies workshops. Using research-based materials, each series is instructed by highly qualified, seasoned Nebraska-based and other nationally known educational experts.

The series sessions are implemented through direct instruction, exploratory experiences and interaction between the participants. The Middle/High School Institute utilizes Teacher Leaders of Mathematics (TLM) as facilitators for Professional Learning Communities (PLC) of participants of 4-6 members.

Who will be impacted by this Professional Development experience?

Currently, it is estimated the NMPDS projects have directly impacted 1965 teachers. Current numbers indicate that teachers from 213 public school districts, 335 public school buildings, and 24 private schools have been involved in NMPDS over the last **SEVEN** years. Tens of thousands of students have been impacted because of this experience. This impact will also be extended through the PLC concept as teacher networks develop with additional math teachers in their own schools and districts.

How can I apply?

Register online at:

<http://tinyurl.com/nmpdsregistration>

Please direct registration questions to Deb Hericks at 402-597-4843.

Deadlines:

Elementary Math Academy – **September 1, 2013**
Middle/High School Institute – **September 1, 2013**

What do past participants say about the Academy?

- "This workshop gives you visual and hands on techniques to teach math to make math enjoyable. It will get kids thinking without them knowing it."
- "Instructors made math exciting, fun and practical – explained everything."
- "There were a lot of useful instructional strategies that will be easily implemented in my classroom."
- "I had many 'ah-ha' moments from the activities."
- "The ideas are easily adaptable to different grade levels."
- "The instructors have a great sense of humor, have energy, give the WHY explanations and stress being creative in our teaching."

What do past participants say about the Project?

- "I finally have a chance to interact and network with other math teachers."
- "I enjoy the many ways to implement with a variety of grade levels."
- "Working with my PLC group helped me to discover new ways to teach topics I have discovered to be tricky."
- "I look forward to the up-to-date information on State Standards and the Common Core."
- "Just when I think I've learned it all, I learn even more!"
- "The trainers are very engaging! They keep us moving!"



NMPDS Contact Information

Educational Service Unit Coordinating Council (ESUCC)

For Registration Information:

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For Grant Information:

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NDE Director of Mathematics

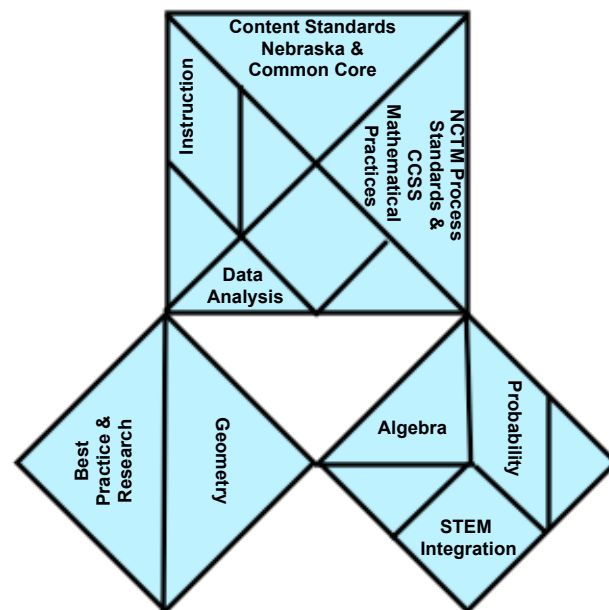
Funded through the Mathematics Science Partnership Grants under the NCLB Act of 2001

Nebraska Mathematics Professional Development Series 2013-2014

Elementary Math Academy (3-6)

Middle/High School Institute (7-12)

Math Standards and Practices for 21st Century Teaching and Learning



Elementary Math Academy (3-6)

This Professional Development series will:

- Demonstrate the integration of mathematics in STEM activities
- Overview more than 100 new lessons, games, resources and instructional activities to provide motivating hands-on instruction for elementary students
- Provide activities mapped to Nebraska and Common Core Math standards
- Integrate data analysis, probability and algebra into elementary mathematics instruction
- Use geometry as a way to illustrate a wide variety of mathematical topics
- Provide differentiated activities and instruction for all grades 3-6
- Encourage student problem solving, representation, reasoning, communication and connections
- Provide lessons and activities integrating STEM technology to mathematics
- Provide effective classroom strategies blending mathematics and other STEM subject areas

Elementary Mathematics Academy Schedule All Sessions meet from 8:30 am – 3:30 pm

Date/ Site	Kearney	Norfolk	Omaha
Kick-Off	Mon., Sept. 30, 2013 NATM Conference, Holiday Inn, Kearney (Highly Recommended)		
Session 1	Jan. 14	Jan. 22	Jan. 31
Session 2	Feb. 12	Feb. 7	Feb. 24
Session 3	Mar. 11	Mar. 4	Mar. 14
Session 4	Apr. 9	Apr. 14	Apr. 25
Session 5 & 6	June 12 & 13	June 19 & 20	July 10 & 11

Participants are expected to attend ALL sessions for their region.

Kearney: ESU 10, 76 Plaza Boulevard
Norfolk: Lifelong Learning Center, 801 E Benjamin Ave
Omaha: ESU 3, 6949 S. 110th Street

2013-2014 NMPDS Math Standards and Practices for 21st Century Teaching and Learning

Benefits for Teachers:

- NSDC Standards for quality Professional Development are met
- Mathematics teaching resources
- Daily participant stipend of \$140 per day before payroll tax deduction (summer and weekends only)
- Substitute reimbursement of \$100 per day
- Lodging for those located at least 75 miles from the training site
- Account for myeLearning
- Graduate Credit available (3 graduate credit hours)
- Professional Learning Communities of 4-6 members

Who may apply?

- 3 – 12th Grade Teachers
 - Elementary (3-6)
 - Middle/High School (7-12 Math)
- Special Education/Title I Teachers
- Priority points on application will be given to those from high needs districts; those assigned to SPED and Title I; and those whose students are struggling with achievement on NeSA Mathematics



NMPDS

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Middle/High School Institute (7-12)

This Professional Development Series will:

- Provide activities, instructional strategies and resources for teachers to assist **ALL** students in:
 - Meeting the Nebraska State Mathematics Standards and improving performance on the NeSA-M assessment
 - Using technology to gain a deeper understanding of mathematical concepts
 - Making connections between algebra, geometry, probability and data analysis
 - Building student ownership of learning through the utilization of technology such as Geogebra, spreadsheets, videos, and internet resources
 - Developing mathematical concepts within the context of problem solving, representation, reasoning, communication and connections
 - Provide effective strategies that integrate mathematics with STEM activities
 - Meeting the high expectations of Common Core Standards and Mathematical Practices

Middle/High School Institute Schedule All Sessions meet from 8:30 am – 3:30 pm

Date/ Site	North Platte	Kearney	Norfolk	Omaha
Kick-Off	Mon., Sept. 30, 2013 NATM Conference, Holiday Inn, Kearney (Highly Recommended)			
Session 1	Jan. 27	Jan. 28	Jan. 29	Jan. 30
Session 2	Feb. 24	Feb. 25	Feb. 26	Feb. 27
Session 3	Mar. 24	Mar. 25	Mar. 26	Mar. 27
Session 4	Apr. 28	Apr. 29	Apr. 30	May 1
Session 5 & 6	June 11 & 12	June 9 & 10	June 23 & 24	June 25 & 26

Participants are expected to attend ALL sessions for their region.

North Platte: ESU 16, 1221 West 17th Street
Kearney: ESU 10, 76 Plaza Boulevard
Norfolk: Lifelong Learning Center, 801 E Benjamin Ave
Omaha: ESU 3, 6949 S. 110th Street