



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 experts.

The series sessions are implemented through direct instruction, exploratory experiences and interaction between the participants.

How can I apply?

APPLY online at:

<http://backyard.esu1.org/fmi/iwp/cgi?db=SPERegs&loadframes>

Application Deadlines:

Elementary Math Academy – **June 30, 2015**

Middle/High School Institute – **June 30, 2015**

Space is limited so priority selection will be made if necessary. Notification of acceptance will be sent.

For more information contact:

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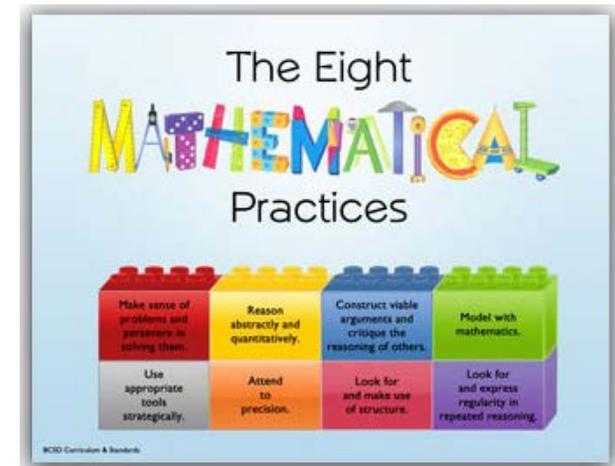
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Nebraska Mathematics Professional Development Series 2015-2016

Elementary
Math Academy
(3-6)

Middle/High
School
Institute (7-12)

Modeling



Through Geometric/Statistical Analysis Thinking

Elementary Math Academy (3-6)

This Professional Development series will:

- Demonstrate the integration of mathematics in STEM activities
- Provide activities mapped to Nebraska and Common Core Math standards
- Integrate geometry and statistical analysis into elementary mathematics instruction
- Use geometry and statistical analysis 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

Participants are expected to attend ALL sessions for their region.

Date/ Site	Kearney	Norfolk	Omaha
Session 1	Oct. 19	Oct. 20	Oct. 9
Session 2	Nov. 10	Nov. 20	Nov. 9
Session 3	Jan. 22	Jan. 14	Jan. 15
Session 4	Feb. 15	Feb. 16	Feb. 18
Session 5	Mar. 4	Mar. 7	Mar. 8
Session 6	June 22-24, 2016 - STEM Training Kearney (location TBA)		
Final	Fall 2016 NATM Conference, Location TBA		

Trainers: Tami Worner and Johanna Barnes, WSC

Kearney: ESU 10, 76 Plaza Boulevard

Norfolk: Lifelong Learning Center, 801 E Benjamin Ave

Omaha: ESU 3, 6949 S. 110th Street

2015-16 NMPDS

Modeling

The Eight Mathematical Practices Through Geometric/Data Analysis Thinking

Benefits for Teachers:

- Learning Forward Standards for Professional Learning are met
- Mathematics teaching resources
- Networking with other professionals
- Daily participant stipend of \$140 per day before payroll tax deduction (non-contract days only)
- Substitute reimbursement of \$100 per day (public schools only), if requested by May 1, 2016
- Travel stipend of \$50 for those located at least 75 miles from the training site
- NATM Fall 2016 Registration
- Possible credit available (3 graduate credit hours)

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
- Priority points on application given to first year NMPDS applicants



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 geometric concepts
 - Making connections between algebra, geometry, probability and statistical analysis
 - Building student ownership of learning through the utilization of technology such as 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

Participants are expected to attend ALL sessions for their region.

Date/ Site	Kearney	Norfolk	Omaha
Session 1	Oct. 12	Oct. 13	Oct. 9
Session 2	Nov. 16	Nov. 20	Nov. 9
Session 3	Jan. 22	Jan. 14	Jan. 15
Session 4	Feb. 15	Feb. 16	Feb. 18
Session 5	Mar. 14	Mar. 15	Mar. 18
Session 6	June 22-24, 2016 - STEM Training Kearney (location TBA)		
Final	Fall 2016 NATM Conference, Location TBA		

Trainers: Elliott Ostler, Neal Grandgenett, UNO

Kearney: ESU 10, 76 Plaza Boulevard

Norfolk: Lifelong Learning Center, 801 E Benjamin Ave

Omaha: ESU 3, 6949 S. 110th Street