



### 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://tinyurl.com/nmpdsregistration>

### Application Deadlines:

Elementary Math Academy – **September 1, 2014**  
Middle/High School Institute – **September 1, 2014**

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

## For more information contact:

Helen Banzhaf  
NMPDS Project Director  
ESUCC  
6949 South 110<sup>th</sup> Street  
Omaha, NE 68128  
402-803-0592  
hbanzhaf@esucc.org

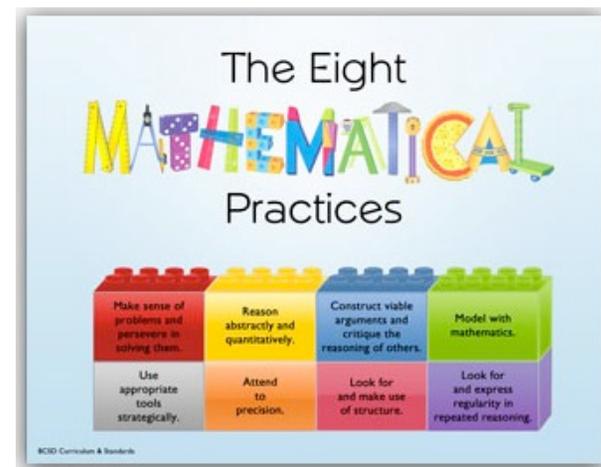
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## Nebraska Mathematics Professional Development Series 2014-2015

Elementary  
Math Academy  
(3-6)

Middle/High  
School Institute  
(7-12)

## Modeling



## Through Algebraic 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 algebra into elementary mathematics instruction
- Use algebra 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. 9	Oct. 13	Oct. 15
Session 2	Nov. 17	Nov. 18	Nov. 6
Session 3	Jan. 23	Jan. 21	Jan. 16
Session 4	Feb. 16	Feb. 17	Feb. 19
Session 5	Mar. 16	Mar. 17	Mar. 19
Session 6	<b>June 2-3, 2015 - BlendED Training Kearney (location TBA)</b>		
Final	<b>Fall 2015 NATM Conference, Location TBA</b>		

**Kearney:** ESU 10, 76 Plaza Boulevard

**Norfolk:** Lifelong Learning Center, 801 E Benjamin Ave

**Omaha:** Oct 15 site TBA all others ESU 3, 6949 S. 110<sup>th</sup> Street

## 2014-15 NMPDS

### Modeling

## *The Eight Mathematical Practices Through Algebraic 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, 2015
- Travel stipend of \$50 for those located at least 75 miles from the training site
- Credit available (3 graduate credit hours)

### **Who may apply?**

- 3 – 12<sup>th</sup> 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 algebraic concepts
  - Making connections between algebra, geometry, probability and data 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. 10	Oct. 9	Oct. 8
Session 2	Nov. 13	Nov. 11	Nov. 6
Session 3	Jan. 23	Jan. 21	Jan. 16
Session 4	Feb. 16	Feb. 17	Feb. 19
Session 5	Mar. 16	Mar. 17	Mar. 18
Session 6	<b>June 2-3, 2015 - BlendED Training Kearney (location TBA)</b>		
Final	<b>Fall 2015 NATM Conference, Location TBA</b>		

**Kearney:** ESU 10, 76 Plaza Boulevard

**Norfolk:** Lifelong Learning Center, 801 E Benjamin Ave

**Omaha:** ESU 3, 6949 S. 110<sup>th</sup> Street