

Summer and Fall Professional Development in Mathematics Education



Tuesday, July 23, 2013* – 8:30am-4:00pm

Developing Essential Understanding of Addition and Subtraction

Registration Number: 19167-13-01

This workshop is designed for teachers to learn and master the concepts that would be required of their students. The workshop will explore the big ideas and essential understandings of addition and subtraction. Attention will be paid to the Iowa core standards and the pedagogy of teaching and learning these ideas and understandings.

Wednesday, July 24, 2013* – 8:30am-4:00pm

Developing Essential Understanding of Multiplication and Division

Registration Number: 19168-13-01

This workshop is designed for teachers to learn and master the concepts that would be required of their students. The workshop will explore the big ideas and essential understandings of multiplication and division. Attention will be paid to the Iowa Core standards and the pedagogy of teaching and learning these ideas and understandings.

Thursday, July 25, 2013* – 8:30am-4:00pm

Developing Essential Understanding of Rational Numbers (fractions)

Registration Number: 19169-13-01

This workshop is designed for teachers to learn and master the concepts that would be required of their students. The workshop will explore the big ideas and essential understandings of rational numbers. Attention will be paid to the Iowa Core standards and the pedagogy of teaching and learning these ideas and understandings.

*If you attend all three workshops, you can enroll for recertification or Drake EDEX credit at the first workshop.

July 29-31, 2013

8:30am-3:00pm

Instructional Strategies for Math Teachers

Registration Number: 4555-13-01

Participants will explore effective strategies that can be used in mathematics instruction. These strategies will be research based and applicable to students at each particular grade level. The strategies will primarily revolve around mathematical tasks, learning environment and discourse. Participants will read about, explore, and discuss the strategies. Each participant will then design an implementation plan of strategies to use in her/his classroom.

August 7, 2013

8:30am-3:30pm

Special Education and Iowa Core Mathematics

Registration Number: 19180-13-01

This workshop will look at the K-5 Iowa Core Math domains "Operations and Algebraic Thinking" and "Number and Operations in Base Ten" along with the "Standards for Mathematical Practice" (the way students should be learning/doing math). Many math deficiencies are encompassed within these domains. Attention will also be paid to crafting Iowa Core Based IEP goals.

Sept 16, Oct 16, Nov 21, 2013

8:30am-3:30pm

Investigating the Standards: Iowa Core Mathematics Grades K-5

Registration Number: 19066-13-01

This is a 3 day workshop for K-5 classroom teachers, special education teachers, and administrators. The workshop will include investigation of the structure of Iowa Core Mathematics followed by deeper investigations into the domains, clusters, and standards of K-5 mathematics.

Sept 17, Oct 17, Nov 18, 2013

8:30am-3:30pm

Investigating the Standards: Iowa Core Mathematics High School

Registration Number: 19068-13-01

This is a 3 day workshop for High School Mathematics teachers, special education teachers, and administrators. The workshop will include investigation of the structure of Iowa Core Mathematics followed by deeper investigations into the conceptual categories, domains, clusters, and standards of high school mathematics.

Sept 19, Oct 14, Nov 20, 2013

8:30am-3:30pm

Investigating the Standards: Iowa Core Mathematics Grades 6-8

Registration Number: 19067-13-01

This is a 3 day workshop for sixth, seventh, and eighth grade middle school math teachers, special education teachers, and administrators. The workshop will include investigation of the structure of Iowa Core Mathematics followed by deeper investigations into the domains, clusters, and standards of middle school mathematics.

Nov 5, Dec 11, 2013

8:30am-3:30pm

Statistics from the Middle School Iowa Core Professional Development

Registration Number: 19181-13-01

Participants will explore the statistics that are required in Iowa Core mathematics grades 6-8. Topics will include: statistical variability, graphical and numerical descriptions of data distributions, random sampling, comparisons of two bivariate data sets, and properties of scatterplots, best fit lines, & two-way tables.

All workshops are at GWAEA unless otherwise noted. License renewal fee \$25, Drake EDEX \$100 when applicable.

REGISTRATION

Download Form: <http://www.aea10.k12.ia.us/profdev/pdf/registform.pdf>

Register Online: <https://www.gwaea.org/apps/ProfDev/user/signon.cfm>

Registration Information

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Course Information

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