

August 1, 2011

Mathematics

	Module Title	Module Contents
Module 1	Deeper Study of Common Core State Standards: K-5 Domain Connections	<ul style="list-style-type: none"> • Shifts in Mathematics standards-“sea change” - Activity #1 • Unpacking to aid in investigation - Activity #2 • Mathematical Practices in K-5 - Activity #3 • Number and Operation - Activity #4 • Properties of Operations - Activity #5 • Place Value - Activity #6 • Algorithms <ul style="list-style-type: none"> ○ Addition and Subtraction - Activity #7 ○ Multiplication - Activity #8 ○ Division - Activity #9 • Unitizing <ul style="list-style-type: none"> ○ Units in the development of measurement - Activity #10 ○ Units in the development of fraction - Activity #11 • Geometric Development - Activity #12 • Data to Statistics - Activity #13
Module 2	Deeper Study of Common Core State Standards: K-5 Domain Structures	<ul style="list-style-type: none"> • Shifts in Mathematics standards-“sea change” - Activity #1 • Parallel Structures in Addition and Multiplication - Activity #2 • Parallel Structures in Area, Volume, and Angle - Activity #3 • When many standards depend on one - Activity #4 • When one standard depends on many - Activity #5

CESA 7 Deeper Study of The Common Core State Standards

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	Module Title	Module Contents
Module 1	Deeper Study of Common Core State Standards: 6-8 Domain Connections	<ul style="list-style-type: none"> • Shifts in Mathematics standards-“sea change” - Activity #1 • Unpacking to aid in investigation - Activity #2 • Mathematical Practices in 6-8 - Activity #3 • Major flows leading into Algebra <ul style="list-style-type: none"> ○ Number and Operation - Activity #4 ○ Connections to Expressions and Equations Activity #5 and #6 ○ Algebra - Activity #7 • The Functional Thinking Stream <ul style="list-style-type: none"> ○ Modeling - Activity #8 • Rational and Proportional Relationships <ul style="list-style-type: none"> ○ Connection to K-5 - Activity #9 ○ Major Developments 6-8 - Activity #10 • Continuation of Geometric Development <ul style="list-style-type: none"> ○ Connection to K-5 - Activity #11 ○ Major developments 6-8 - Activity #12 • Statistics <ul style="list-style-type: none"> ○ Connection to K-5 - Activity #13 ○ Major developments 6-8 - Activity #14 ○
Module 2	Deeper Study of Common Core State Standards: 6-8 Domain Structures	<ul style="list-style-type: none"> • Shifts in Mathematics standards-“sea change” - Activity #1 • Culminating Standards (6th 7th 8th) - Activity #2 • When many standards depend on one - Activity #3 • When one standard depends on many - Activity #4

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	Module Title	Module Contents
Module 1	Deeper Study of Common Core State Standards: HS Domain Connections	<ul style="list-style-type: none"> • Shifts in Mathematics standards-“sea change” - Activity #1 • Unpacking to aid in investigation - Activity #2 • Algebra <ul style="list-style-type: none"> ○ Connections to K-8 - Activity #3 ○ HS Algebra Domains - Activity #4 ○ Mathematical Practices in Algebra- Activity #5 ○ Modeling in Algebra - Activity #6 • The Functional Thinking Stream <ul style="list-style-type: none"> ○ HS Functional Domains - Activity #7 ○ Mathematical Practices Function - Activity #8 ○ Modeling in Functions- Activity #9 • The Number system <ul style="list-style-type: none"> ○ HS Number Domains - Activity #10 ○ Mathematical Practices in Number - Activity #11 • Continuation of Geometric Development <ul style="list-style-type: none"> ○ HS Geometry Domains - Activity #12 ○ Mathematical Practices in Geometry - Activity #13 ○ Modeling in Geometry - Activity #14 • Statistics <ul style="list-style-type: none"> ○ HS Statistical Domains - Activity #15 ○ Mathematical Practices Statistics - Activity #16 ○ Modeling in Statistics - Activity #17