

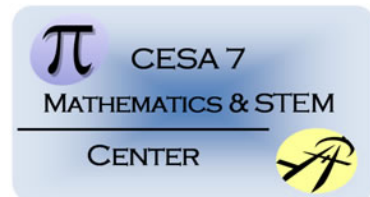
# 2011- 2012 Mathematics/STEM Professional Development

**Primary Focus: Mathematics (CCSS) Common Core State Standards, Rtl Assessment/Intervention and STEM**

Title	Instructor/ Facilitator	Schedule
CCSS Modeled Mathematics Classroom Walk-Through for Administrators	Clare Wick & Chris Castillero	April 23 (8:30 – 3) 2012
CCSS Modeled Successful Mathematics Strategies for Kindergarten Teachers	Chris Castillero	Oct. 6 (8:30 – 3) 2011
CCSS Focused Frameworks for Mathematics K-2 (5-Days w/two follow-up days during the year)	Lisa Borowski	July 11 - 15, 2011 (West De Pere School District) August 15 - 19, 2011 (Manitowoc School District)
CCSS Modeled Guided Instruction in Elementary Mathematics	TBA	Dec. 8 (8:30 – 3) 2011
Rtl Modeled Mathematics Interventions K-2	Chris Castillero	Nov. 3 (8:30 – 3) 2011
CCSS Modeled Smart Math K-5 (Technology)	Chris Castillero	Feb. 22 (8:30 – 11:30) 2011-12
Teaching Number Sense Through the CCSS K-6	Chris Castillero	Sept. 23 (8:30 – 3) 2011
Teaching Algebraic Sense Through the CCSS K-6	Chris Castillero	Nov. 11 (8:30 – 3) 2011
Rtl Assessment - First Steps in Mathematics K-8 NUMBER SENSE (3-Day Series)	Chris Castillero	3-Day Series – Nov. 29, Dec. 21, Jan. 31 (8:30 – 3) 2011-12
Mathematics Advisory Council (Leadership, Networking) (4 sessions)	Chris Castillero	Oct. 20, Nov. 17, Jan. 19, Feb. 16 (8:30 – 11:30) 2011-12
CCSS Focused Frameworks for Mathematics 3–5 (Content, Pedagogy) (5-Days w/two follow-up days during the year)	Lori Williams	July 11- 15, 2011 (West De Pere School District) August 15-19, 2011 (Manitowoc School District)
Rtl Modeled Mathematics Interventions 3-5	Chris Castillero	Oct. 7 & Feb. 3 (8:30 – 3) 2011-12
Teaching Measurement Sense Through the CCSS 3-6	Chris Castillero	Dec. 13 (8:30 – 3) 2011
Teaching Geometric Sense Through the CCSS 3-8	Chris Castillero	Feb. 14 (8:30 – 3) 2012

Title	Instructor/ Facilitator	Schedule
Teaching Data and Statistical Sense Through the CCSS 6-8	Chris Castillero	Apr. 3 (8:30 – 3) 2012
Rtl Mathematics Assessments – Progress Monitoring and Screening	Chris Castillero	Nov. 1 & Jan. 18 (8:30 -3) 2011-12
Rtl Assessment - First Steps in Mathematics K-8 <i>(Measurement 3-Days Series)</i>	Chris Castillero	3-Day Series – Dec. 16, Feb. 17, Apr. 13 (8:30 – 3) 2011-12
Elementary Math Specialist Network <i>(Leadership, Networking) (4 sessions)</i>	Chris Castillero	Oct. 20, Nov. 17, Jan. 19, Feb. 16 (12:30 – 3:30) 2011-12
CCSS Focused Frameworks for Mathematics 6-8 <i>(Content, Pedagogy) (5-Days w/two follow-up days during the year)</i>	Chris Castillero	July 11- 15, 2011 (West De Pere School District) August 15-19, 2011 (Manitowoc School District)
Rtl Modeled Mathematics Interventions 6-10	Chris Castillero	Sept. 29 & Mar. 1 (8:30 – 11:30)
CCSS Modeled Texas Instruments Workshop <i>(Technology)</i>	TBA	Apr. 19 (8:30 – 3) 2012
Investigating the Transformational Geometry in the CCSS using Geometers Sketch Pad	TBA	Mar. 6 (8:30 – 3) 2012
Using Technology in you STEM Classroom	Chris Castillero	Nov. 23 & Jan. 25 (8:30 – 3)
Creating Ahs -- Connecting to the CCSS	Sandy Atkins	Day 1 TBD (Misconceptions) Day 2 TBD(Mathematics Interventions)
Implementing the Mathematics Common Core State Standards (CCSS)	Chris Castillero	Oct. 14 (8:30 – 3) 2011
K-5 Domain Study of The Common Core <i>(Summer)</i>	Chris Castillero	June 29 - July1, 2011, Sturgeon Bay
6-8 Domain Study of The Common Core <i>(Summer)</i>	Chris Castillero	July 26 - 28, 2011, Sheboygan Falls
HS Domain Study of The Common Core <i>(Summer)</i>	Chris Castillero	August 2 - 5, 2011, Pulaski
Implementing the Science Common Core State Standards (CCSS)	TBA	Nov. 30 (8:30 – 3) 2011
Investigating the Common Core State Standards in Science	TBA	Mar., Apr., May - TBD

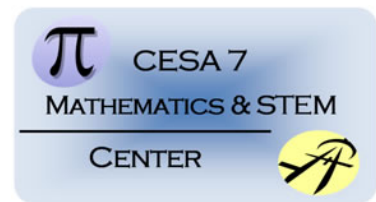
CESA 7 Science, Technology, Engineering and Mathematics (STEM) presents ...  
 CESA 7 Mathematics/STEM presents ...



# CCSS Modeled Mathematics Classroom Walk-Through for Administrators

With Chris Castellero & Claire Wick

<b>Schedule</b>	<b>Date: April 23rd, 2012</b> Location: CESA 7, Room A Check in begins: 8:00 a.m. Workshop: 8:30 a.m. to 3:00 p.m.	
<b>Audience</b>	School District Leaders	
<b>Presenter</b>	Chris Castellero, CESA 7 Mathematics/STEM Coordinator Claire Wick, CESA 7 Literacy Coordinator	
<b>Description</b>	<p>The Mathematics classroom walk-through for administrators is a session that will enlighten administrators about all that is possible through affective mathematical instruction that does not always involve direct instruction. Through a process, administrators will become familiar with the practice of mathematics and the best researched ways to instruct the materials. Participants will visit a local school to gain practice in using the walk-through technique.</p> <p style="text-align: center;">Programs designed to change daily teaching practices – particularly through the use of cooperative learning, classroom management, and motivation programs – have larger impacts on student achievement than programs that emphasize textbooks or technology alone.          -Educator’s Guide: <i>What Works in Teaching Math</i>          Best Evidence Encyclopedia, Johns Hopkins University</p> <p>In this workshop, participants will ...</p> <ul style="list-style-type: none"> <li>• Gain an understanding of mathematical learning</li> <li>• Learn what questions to ask to gain understanding of the learning</li> <li>• Be able to look into any mathematics classroom and see what learning is happening, at all levels of cognitive development, just through observation of a class.</li> <li>• Provide feedback to mathematics instructors</li> </ul>	
<b>Standards</b>	AS 1, 3	
<b>Registration</b>	<p><i>Registration includes: Handouts, lunch on your own</i></p> <p><u>Gold Level:</u> \$49 per participant</p> <p><u>Silver Level:</u> \$99 per participant</p> <p><u>Non-member:</u> \$199 per participant</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district’s membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the “register” icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>



# CCSS Modeled Successful Mathematics Strategies for Kindergarten Teachers

With Chris Castillero

<b>Schedule</b>	<b>Date: October 6, 2011</b> Location: CESA 7 Check in begins: 8:00 a.m. Workshop: 8:30 to 3:00 p.m.	
<b>Audience</b>	Kindergarten instructors, Pre-K instructors, Title One Teachers, Special Education Teachers	
<b>Presenter</b>	Chris Castillero, CESA 7 STEM Coordinator	
<b>Description</b>	<p>In this session, kindergarten teachers will learn how students develop number sense, geometric sense and measurement from birth to 8 years in a way that has students connect to the Common Core State Standards. Empowered with this information, kindergarten instructors will be able to incorporate appropriate strategies no matter where a student is in their developmental process. Knowing what question to ask will make all the difference in the success of the students.</p> <p><b>In this workshop, participants will ...</b></p> <ul style="list-style-type: none"> <li>• Learn the developmental process of how students progress through number sense, geometric sense and measurement</li> <li>• Diagnostic strategies to understand gaps in the learning process</li> <li>• Create an intervention plan for those students who need additional time</li> <li>• Work with lessons that promote students development though number sense, geometric sense and measurement</li> </ul>	
<b>Standards</b>	WTS 1, 2, 3, 4, 5, 6, 7, 8,	
<b>Registration</b>	Registration includes: Handouts, lunch is on your own. <u>Gold Level:</u> \$49 per participant <u>Silver Level:</u> \$99 per participant <u>Non-member:</u> \$199 per participant Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.	Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.  Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a> .

# Frameworks for Mathematics



Presented in three grade bands:  
K-2, 3-5 and 6-8

For all teachers who are ready  
to improve their mathematics



## Discover the Common Core State Standards (CCSS):

Participants will gain understanding about the way mathematics evolves and connects through the CCSS by experiencing the strands of mathematics the way students will learn – by actively doing the mathematics.

*Frameworks for Mathematics* training will:

- Deeply connect instructors with the Common Core State Standards
- Deepen teacher understanding of mathematical concepts in the CCSS
- Experience instruction with modeling of effective teaching and assessment strategies

## Goals for Teacher Participants:

- To help teachers understand the math continuum of the Common Core State Standards.
- To develop “comfort” with knowing which questions to ask by developing depth in mathematical content knowledge.
- To help teachers understand the features of mathematical tasks that are needed by their students.
- To help teachers recognize and make sense of students’ mathematical understandings and misunderstandings.
- To help teachers develop effective strategies for differentiation, intervention and enrichment in mathematics.
- To help teachers learn how to look at students’ work by creating probes of student understanding and analyzing students’ responses.
- To develop teachers’ skills in best classroom instruction and assessment strategies in mathematics to reach grade level common core state standards.

**Based on CCSS!**

**2 opportunities  
this summer!**

### Dates and Locations

- July 11-15, West DePere Middle School
- Aug 15-19, Manitowoc School District Office

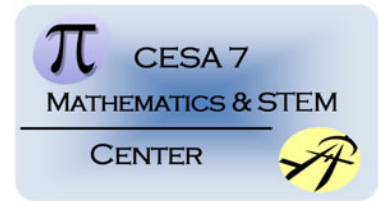
### Cost

- Gold (\$395)
- Silver (\$510)
- Non-member (\$645)

**Three college credits available through  
Silver Lake College at \$190 per credit**

### CESA 7 Contact:

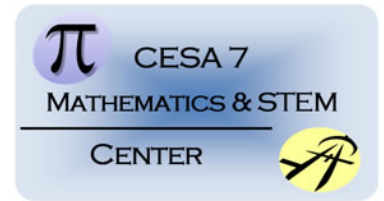
Chris Castillero  
Phone: 920-617-5635  
Cell: 920-676-6497  
ccastillero@cesa7.k12.wi.us



# CCSS Modeled - Guided Instruction in Elementary Mathematics

With Chris Castillero

<b>Schedule</b>	<p><b>Date: December 8, 2011</b>                  Location: CESA 7, Room A                  Check in begins: 8:00 a.m.                  Workshop: 8:30 to 3:00 p.m.</p>	
<b>Audience</b>	<p>Elementary Mathematics Instructors, Pre-K instructors, Title One Teachers, Special Education Teachers</p>	
<b>Presenter</b>	<p>Chris Castillero, CESA 7 STEM Coordinator</p>	
<b>Description</b>	<p>In this session, elementary mathematics teachers will learn elements to a workshop model that can be applied to mathematics instruction. The Common Core State Standards will set an expectation of understanding. Students need to be guided through a process of learning that provides them with background knowledge as well as strategies that will allow them to problem solve through complex mathematics tasks. This session will model a process that provides teachers with a framework for instruction that partitions math instruction so that the students can experience mathematics learning with understanding.</p> <p><b>In this workshop, participants will ...</b></p> <ul style="list-style-type: none"> <li>• Experience a day that is segmented to maximize student understanding</li> <li>• Develop a lesson that models the mathematics guided instruction for students</li> <li>• Connect lessons to standards for mathematical practices</li> </ul>	
<b>Standards</b>	<p>WTS 1, 2, 3, 4, 5, 6, 7, 8,</p>	
<b>Registration</b>	<p><i>Registration includes: Handouts, lunch is on your own.</i></p> <p><u>Gold Level:</u> \$49 per participant</p> <p><u>Silver Level:</u> \$99 per participant</p> <p><u>Non-member:</u> \$199 per participant</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>

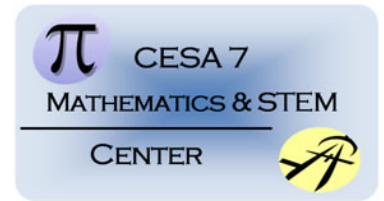


# Rtl Modeled Mathematics Interventions K-2

(Content, Pedagogy)

With Chris Castillero

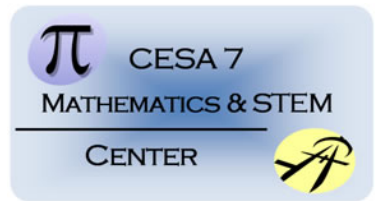
<b>Schedule</b>	<p><b>Date: Nov. 3, 2011</b>                  Location: CESA 7                  Check in begins: 8:00 a.m.                  Workshop: 8:30 a.m. – 3:00 p.m.</p>	
<b>Audience</b>	<p>K-3 Mathematics Instructors, Title I Teachers, Special Education Teachers, Mathematics Interventionists, Implementers of Rtl</p>	
<b>Presenter</b>	<p>Chris Castillero, CESA 7 STEM Coordinator</p>	
<b>Description</b>	<p>In this session, K-2 teachers will learn strategies for successful implementations of interventions. Knowing where to intervene in a students learning process is just as significant as knowing how to intervene. Working with researched-based implementation strategies, participants will go through a process of defining intervention for their own school or classroom that will not add to the already overwhelming work load.</p> <p><b>In this workshop, participants will ...</b></p> <ul style="list-style-type: none"> <li>• Develop an intervention philosophy and process for interventions in their school or district</li> <li>• Learn techniques for maintaining interventions including utilizing additional resources</li> <li>• Develop interventions for students in area of need, based upon diagnostic information</li> </ul>	
<b>Standards</b>	<p>WTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10</p>	
<b>Registration</b>	<p><i>Registration includes: Handouts, lunch is on your own.</i></p> <p><u>Gold Level:</u> \$49 per participant</p> <p><u>Silver Level:</u> \$99 per participant</p> <p><u>Non-member:</u> \$199 per participant</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>



# CCSS Modeled Smart Math K-5 (Technology)

With Chris Castillero

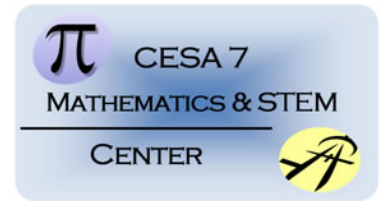
<b>Schedule</b>	<p><b>Date: February 22, 2012</b>                  Location: CESA 7                  Check in begins: 8:00 a.m.                  Workshop: 8:30 a.m. – 11:30 a.m.</p>	
<b>Audience</b>	K- 12 Teachers, Title Teachers, Special Education Teachers	
<b>Presenter</b>	Chris Castillero CESA 7 STEM Coordinator	
<b>Description</b>	<p>This session will give the participant a better understanding of how to use a Smart Board to increase student learning in mathematics. Using techniques that will work with any instructional materials, Smart Math will demonstrate how to use the Smart Boards alongside inquiry-based techniques that will engage the students.</p> <p><b>In this workshop, participants will ...</b></p> <ul style="list-style-type: none"> <li>• Apply the Common Core State Standards use of technology expectations</li> <li>• Experience a mathematics lesson that will engage students in mathematics using the Smart Board</li> <li>• Learn mathematics tools that will help students see mathematics in new ways</li> </ul>	
<b>Standards</b>	WTS 1, 3, 4, 5, 6, 7, 8	
<b>Registration</b>	<p><i>Registration includes: Handouts</i></p> <p><u>Gold Level:</u> Free</p> <p><u>Silver Level:</u> \$49 per participant</p> <p><u>Non-member:</u> \$99 per participant</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>



# Teaching Number Sense Through the CCSS K-6 (Content, Pedagogy)

With Chris Castillero

<b>Schedule</b>	<p><b>Date: Sept. 23, 2011</b>                  Location: CESA 7                  Check in begins: 8:00 a.m.                  Workshop: 8:30 a.m. to 3:00 p.m.</p>	
<b>Audience</b>	<p>K-3 Mathematics Instructors, Title I Teachers, Special Education Teachers, Mathematics Interventionists, Implementers of Rtl</p>	
<b>Presenter</b>	<p>Chris Castillero, CESA 7 STEM Coordinator</p>	
<b>Description</b>	<p>The Common Core State Standards incorporate the development of number sense in the progression of the content standards. In this session, K-2 teachers will learn how students develop number sense from birth to 8 years and connect that progression to the standards. Empowered with this information, early elementary mathematics instructors will be able to incorporate appropriate strategies no matter where a student is in their developmental process. Knowing what question to ask will make all the difference in the success of the students.</p> <p><b>In this workshop, participants will ...</b></p> <ul style="list-style-type: none"> <li>• Learn the developmental process of how students progress through number sense</li> <li>• Learn techniques for strengthening core instructional processes in number sense</li> </ul>	
<b>Standards</b>	<p>WTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10</p>	
<b>Registration</b>	<p><i>Registration includes: Handouts, lunch is on your own.</i></p> <p><u>Gold Level:</u> \$49</p> <p><u>Silver Level:</u> \$99 per participant</p> <p><u>Non-member:</u> \$199 per participant</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>

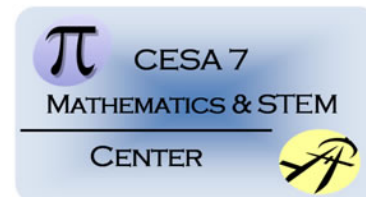


# Teaching Algebraic Sense Through the CCSS K-6

(Content, Pedagogy)

With Chris Castillero

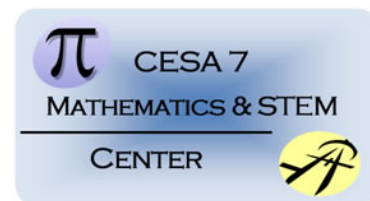
<b>Schedule</b>	<p><b>Date: November 11, 2011</b>                  Location: CESA 7                  Check in begins: 8:00 a.m.                  Workshop: 8:30 a.m. to 3:00 p.m.</p>	
<b>Audience</b>	<p>K-5 Mathematics Instructors, Title I Teachers, Special Education Teachers, Mathematics Interventionists, Implementers of Rtl</p>	
<b>Presenter</b>	<p>Chris Castillero, CESA 7 STEM Coordinator</p>	
<b>Description</b>	<p>CESA 7 is proud to present an opportunity for teachers of mathematics to gain a deeper understanding of their content knowledge. The Common Core State Standards incorporate the development of algebraic sense in the progression of the content standards. Participants will be working as students of mathematics to develop understanding of Algebraic Sense through collaboration and problem-solving connecting to the standards for mathematical practice. Participants will gain knowledge that will be crucial in working with the different mathematical thinking that comes with students in the 21st century.</p> <p><b>In this workshop, participants will ...</b></p> <ul style="list-style-type: none"> <li>• Learn the developmental process of how students progress through algebraic sense</li> <li>• Diagnostic strategies to understand gaps in the learning process</li> <li>• Create an intervention plan for those students who need additional time</li> <li>• Work with lessons that promote students' development through algebraic sense</li> <li>• Work to understand different strategies of number sense that are the foundational elements of building algebraic sense</li> </ul>	
<b>Standards</b>	<p>WTS 1, 2, 3, 4, 6, 7, 8, 9</p>	
<b>Registration</b>	<p><i>Registration includes: Handouts, lunch on your own</i></p> <p><u>Gold Level:</u> \$49 per participant  <u>Silver Level:</u> \$99 per participant  <u>Non-member:</u> \$199 per participant</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>



# Rtl Assessment (Diagnostic) –First Steps in Mathematics K-8 in Number Sense

With Chris Castillero

<b>Schedule</b>	<b>Date: November 29, 2011, Dec. 21, 2011 &amp; January 31, 2012 (3-Day Series)</b> Location: CESA 7 Check in begins: 8:00 a.m. Workshop: 8:30 a.m. to 3:00 p.m.	
<b>Audience</b>	K-12 Mathematics Instructors, Title I Teachers, Special Education Teachers, Mathematics Interventionists, Implementers of Rtl	
<b>Presenter</b>	Chris Castillero, CESA 7 STEM Coordinator	
<b>Description</b>	<p>In the late 1990s, Professor Sue Willis and a research team of teachers from the Department of Education and Training in Western Australia set out to integrate the large and diverse bodies of knowledge in the field of mathematics learning and to identify broad indicative shifts in children’s thinking. They found that many children who achieved correct answers did not have the depth of understanding needed for ongoing progress, and many harbored misconceptions that placed their future learning at risk. The <i>First Steps in Mathematics</i> resource is the result of over five years of intensive research that reveals characteristic phases in the development of students’ thinking about major mathematical concepts. If you’ve been looking for a resource that helps you get to the nitty-gritty of teaching and learning mathematics, and explains why some students just don’t get it, <i>First Steps in Mathematics</i> is the resource you’ve been seeking.</p> <p>Quality professional development will accompany new materials. Attend a <i>First Steps in Mathematics</i> 3 day Teacher Course and you will:</p> <ul style="list-style-type: none"> <li>• Understand how to progress every student</li> <li>• Make sense of student’s work samples and responses to diagnostic tasks in mathematics</li> <li>• Make links to phases of development in mathematics</li> <li>• Determine the key understanding that the student needs to grasp to move forward</li> <li>• Understand why some mathematical experiences don’t teach students what we intend them to learn.</li> </ul>	
<b>Standards</b>	WTS 1, 2, 3, 4, 6, 7, 8, 9, 10	
<b>Registration</b>	<p><i>Registration includes: All materials. Lunch is on your own.</i></p> <p><u>Gold Level:</u> \$260 per round</p> <p><u>Silver Level:</u> \$375 per round</p> <p><u>Non-member:</u> \$450 per round</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district’s membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the “register” icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>

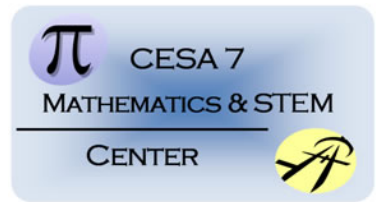


# Mathematics Advisory Council (4 sessions)

(Leadership, Networking)

With Chris Castillero

<b>Schedule</b>	<p><b>Date: October 20 &amp; November 17, 2011, January 19 &amp; February 16, 2012</b></p> <p>Location: CESA 7</p> <p>Check in begins: 8:00 a.m.</p> <p>Workshop: 8:30 to 11:30 a.m.</p>	
<b>Audience</b>	<p>All Teacher Leaders in Mathematics, Mathematics Instructional Coaches, Coordinators and Teams of Leaders are encouraged to attend</p>	
<b>Presenter</b>	<p>Chris Castillero, CESA 7 STEM Coordinator</p>	
<b>Description</b>	<p>With the introduction of the Common Core State Standards and the logistics of implementation districts will need to have a support system for their teachers.</p> <p>The Mathematics Advisory Council represents CESA 7 and area school districts in creating a vision for excellence in mathematics education for all learners. Council meetings will focus on implementing the CCSS. Advisory council activities include discussion, sharing and project development in areas such as:</p> <ul style="list-style-type: none"> <li>• Common Core State Standards and curricula in mathematics</li> <li>• Mathematics materials adoptions</li> <li>• Mathematics leadership and coaching</li> <li>• Differentiation in mathematics classrooms</li> <li>• Mathematics intervention approaches</li> <li>• Mathematics assessments for summative and formative purposes</li> <li>• Designing professional development in best mathematics instructional practices</li> </ul>	
<b>Standards</b>	<p>WTS 2, 3, 4, 6, 7, 8, 9, 10</p>	
<b>Registration</b>	<p><i>Registration includes: Handouts, lunch is on your own.</i></p> <p><u>Gold Level:</u> Free</p> <p><u>Silver Level:</u> \$20 per Session</p> <p><u>Non-member:</u> \$40 per Session</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>

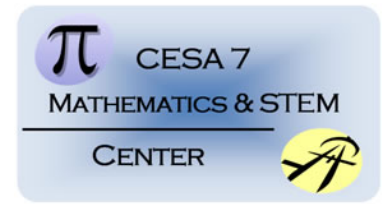


# Rtl Modeled Mathematics Interventions, Grades 3-5

(Rtl, Content, Pedagogy)

With Chris Castillero

<b>Schedule</b>	<b>Date: October 7, 2011</b> Location: CESA 7 Check in begins: 8:00 a.m. Workshop: 8:30 a.m. to 3:00 p.m.	<b>OR</b>	<b>Date: February 3, 2012</b> Location: CESA 7 Check in begins: 8:00 a.m. Workshop: 8:30 a.m. to 3:00 p.m.
<b>Audience</b>	3-5 Mathematics Instructors, Title I Teachers, Special Education Teachers, Mathematics Interventionists, Implementers of Rtl		
<b>Presenter</b>	Chris Castillero, CESA 7 STEM Coordinator		
<b>Description</b>	<p>In this session, teachers will learn strategies for successful implementations of interventions. Knowing where to intervene in a students' learning process is just as significant as knowing how to intervene. Working with researched-based implementation strategies, participants will go through a process of defining intervention for their own school or classroom that will not add to the already overwhelming work load.</p> <p><b>In this workshop, participants will ...</b></p> <ul style="list-style-type: none"> <li>• Develop an intervention philosophy and process for interventions in their school or district</li> <li>• Learn techniques for maintaining interventions including utilizing additional resources</li> </ul>		
<b>Standards</b>	WTS 1, 2, 3, 4, 5, 6, 7, 8, 9		
<b>Registration</b>	Registration includes: Handouts, lunch is on your own. <u>Gold Level:</u> \$49 <u>Silver Level:</u> \$99 per participant <u>Non-member:</u> \$199 per participant Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.		Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.  Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a> .



# Teaching Measurement Sense through the CCSS Grades 3-6

(Content, Pedagogy)

With *Chris Castillero*

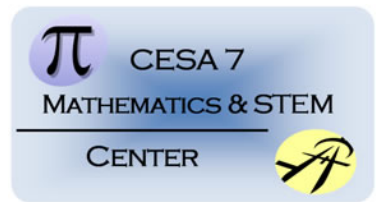
<b>Schedule</b>	<b>Date: Dec. 13, 2011</b> Location: CESA 7 Check in begins: 8:00 a.m. Workshop: 8:30 a.m. to 3:00 p.m.	
<b>Audience</b>	3-8 Mathematics Instructors, Title I Teachers, Special Education Teachers, Mathematics Interventionists, Implementers of Rtl	
<b>Presenter</b>	Chris Castillero CESA 7 STEM Coordinator	
<b>Description</b>	<p>CESA 7 is proud to present an opportunity for teachers of mathematics to gain a deeper understanding of their content knowledge. The Common Core State Standards incorporate the development of measurement sense in the progression of the content standards. Participants will be working as students of mathematics to develop understanding of measurement through collaboration and problem solving. At the same time, participants will gain knowledge that will be crucial in working with the different mathematical thinking that comes with students in the 21st century.</p> <p><b>In this workshop, participants will ...</b></p> <ul style="list-style-type: none"> <li>• Learn the developmental process of how students progress through measurement connected to the Common Core State Standards</li> <li>• Diagnostic strategies to understand gaps in the learning process</li> <li>• Create an intervention plan for those students who need additional time</li> <li>• Work with lessons that promote students' development of measurement</li> <li>• Work to understand different strategies of number that are the foundational elements of building measurement sense</li> </ul>	
<b>Standards</b>	WTS 1, 2, 3, 4, 5, 6, 7, 8, 9	
<b>Registration</b>	<p><i>Registration includes: Handouts, lunch on your own</i></p> <p><u>Gold Level:</u> \$49 per participant</p> <p><u>Silver Level:</u> \$99 per participant</p> <p><u>Non-member:</u> \$199 per participant</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>

# Teaching Geometric Sense through the CCSS Grades 3-8

(Content, Pedagogy)

With Chris Castillero

<b>Schedule</b>	<b>Date: February 14, 2012</b> Location: CESA 7 Check in begins: 8:00 a.m. Workshop: 8:30 a.m. to 3:00 p.m.	
<b>Audience</b>	3-8 Mathematics Instructors, Title I Teachers, Special Education Teachers, Mathematics Interventionists, Implementers of Rtl	
<b>Presenter</b>	Chris Castillero, CESA 7 STEM Coordinator	
<b>Description</b>	<p>CESA 7 is proud to present an opportunity for teachers of mathematics to gain a deeper understanding of their content knowledge. The Common Core State Standards incorporated the development of geometric sense in the progression of the content standards. Participants will be working as students of mathematics to develop understanding of geometry through collaboration and problem solving. At the same time, participants will gain knowledge that will be crucial in working with the different mathematical thinking that comes with students in the 21st century.</p> <p><b>In this workshop, participants will ...</b></p> <ul style="list-style-type: none"> <li>• Learn the developmental process of how students progress through geometric thought connected to the Common Core State Standards</li> <li>• Diagnostic strategies to understand gaps in the learning process</li> <li>• Create an intervention plan for those students who need additional time</li> <li>• Work with lessons that promote students development of geometry</li> <li>• Work to understand different strategies of number that are the foundational elements of building geometry sense</li> </ul>	
<b>Standards</b>	WTS 1, 2, 3, 4, 5, 6, 7, 9	
<b>Registration</b>	<i>Registration includes: Handouts, lunch on your own</i> <u>Gold Level:</u> \$49 per participant <u>Silver Level:</u> \$99 per participant <u>Non-member:</u> \$199 per participant Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.	Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.  Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a> .

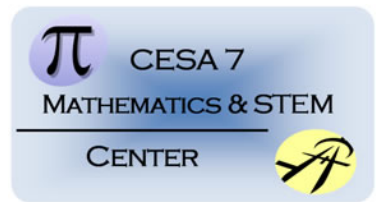


# Teaching Data and Statistical Sense through the CCSS Grades 6-8

(Content, Pedagogy)

With Chris Castillero

<b>Schedule</b>	<p><b>Date: April 3 2012</b>                  Location: CESA 7                  Check in begins: 8:00 a.m.                  Workshop: 8:30 a.m. to 3:00 p.m.</p>	
<b>Audience</b>	<p>3-8 Mathematics Instructors, Title I Teachers, Special Education Teachers, Mathematics Interventionists, Implementers of Rtl</p>	
<b>Presenter</b>	<p>Chris Castillero, CESA 7 STEM Coordinator</p>	
<b>Description</b>	<p>CESA 7 is proud to present an opportunity for teachers of mathematics to gain a deeper understanding of their content knowledge. The Common Core State Standards incorporated the development of data and statistics in the progression of the content standards. Participants will be working as students of mathematics to develop understanding of data through collaboration and problem solving. At the same time, participants will gain knowledge that will be crucial in working with the different mathematical thinking that comes with students in the 21st century.</p> <p><b>Objectives. In this workshop, participants will ...</b></p> <ul style="list-style-type: none"> <li>• Learn the developmental process of how students progress through data development connected to the Common Core State Standards</li> <li>• Diagnostic strategies to understand gaps in the learning process</li> <li>• Create an intervention plan for those students who need additional time</li> <li>• Work with lessons that promote students development of data</li> <li>• Work to understand different strategies of number that are the foundational elements of building data sense</li> </ul>	
<b>Standards</b>	<p>WTS 1, 2, 3, 4, 5, 6, 7, 9</p>	
<b>Registration</b>	<p><i>Registration includes: Handouts, lunch on your own</i></p> <p><u>Gold Level:</u> \$49 per participant</p> <p><u>Silver Level:</u> \$99 per participant</p> <p><u>Non-member:</u> \$199 per participant</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>



# Rtl Mathematics Assessments – Progress Monitoring and Screening (Content, Pedagogy)

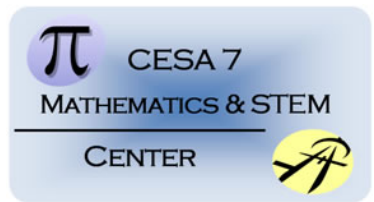
With Chris Castillero

<b>Schedule</b>	<b>Date: November 1, 2011</b> Location: CESA 7 Check in begins: 8:00 a.m. Workshop: 8:30 a.m. to 3:00 p.m.	<b>OR</b>	<b>Date: January 18, 2012</b> Location: CESA 7 Check in begins: 8:00 a.m. Workshop: 8:30 a.m. to 3:00 p.m.
<b>Audience</b>	Teachers, Title I Teachers, Special Education Teachers, Mathematics Interventionists, Implementers of Rtl		
<b>Presenter</b>	Chris Castillero, CESA 7 STEM Coordinator		
<b>Description</b>	One of the issues in current assessment practices in mathematics is using the correct tool for screening and progress monitoring. In this session, participants will gain an understanding of the assessment literacy associated with screening and progress monitoring as well as foundational knowledge that will give more valid and reliable results.		
	<p><b>In this workshop, participants will ...</b></p> <ul style="list-style-type: none"> <li>• Develop a screening tool for a strand of mathematics</li> <li>• Develop a progress monitoring tool for a skill area in mathematics</li> <li>• Investigate available tools and recording options</li> </ul>		
<b>Standards</b>	WTS 1, 2, 3, 4, 5, 6, 7, 9		
<b>Registration</b>	Registration includes: Handouts, lunch on your own <u>Gold Level:</u> \$49 per participant <u>Silver Level:</u> \$99 per participant <u>Non-member:</u> \$199 per participant Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.		Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.  Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a> .

# Rtl Assessments (Diagnostic) – First Steps in Mathematics - Measurement Grades K-8

With Chris Castillero (3-Day Series)

<b>Schedule</b>	<b>Date: December 16, 2011, February 17 &amp; April 13, 2012 (3-Day Series)</b> Location: CESA 7 Check in begins: 8:00 a.m. Workshop: 8:30 a.m. to 3:00 p.m.	
<b>Audience</b>	Teachers, Title I Teachers, Special Education Teachers, Mathematics Interventionists, Implementers of Rtl	
<b>Presenter</b>	Chris Castillero, CESA 7 STEM Coordinator	
<b>Description</b>	<p>In the late 1990s, Professor Sue Willis and a research team of teachers from the Department of Education and Training in Western Australia set out to integrate the large and diverse bodies of knowledge in the field of mathematics learning and to identify broad indicative shifts in children’s thinking. They found that many children who achieved correct answers did not have the depth of understanding needed for ongoing progress, and many harbored misconceptions that placed their future learning at risk. The <i>First Steps in Mathematics</i> resource is the result of over five years of intensive research that reveals characteristic phases in the development of students’ thinking about major mathematical concepts. If you’ve been looking for a resource that helps you get to the nitty-gritty of teaching and learning mathematics, and explains why some students just don’t get it, <i>First Steps in Mathematics</i> is the resource you’ve been seeking.</p> <p>Quality professional development will accompany new materials. Attend a <i>First Steps in Mathematics</i> 3 day Teacher Course and you will:</p> <ul style="list-style-type: none"> <li>• Understand how to progress every student</li> <li>• Make sense of student’s work samples and responses to diagnostic tasks in mathematics</li> <li>• Make links to phases of development in mathematics</li> <li>• Determine the key understanding that the student needs to grasp to move forward</li> <li>• Understand why some mathematical experiences don’t teach students what we intend them to learn</li> </ul>	
<b>Standards</b>	WTS 1, 2, 3, 4, 5, 6, 7, 9	
<b>Registration</b>	<p><i>Registration includes: Handouts, lunch on your own</i></p> <p><u>Gold Level:</u> \$260 per participant</p> <p><u>Silver Level:</u> \$375 per participant</p> <p><u>Non-member:</u> \$450 per participant</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district’s membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the “register” icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>



# Elementary Math Specialist Network

With Chris Castillero

<b>Schedule</b>	<b>Dates: October 20, November 17, 2011, January 19 and February 16, 2012</b> Location: CESA 7 Check in begins: 12:00 Workshop: 12:30 to 3:30 p.m.	
<b>Audience</b>	All Teacher Leaders in Mathematics, Mathematics Instructional Coaches, Coordinators and Teams of Leaders are Encouraged to Attend	
<b>Presenter</b>	Chris Castillero, CESA 7 STEM Coordinator	
<b>Description</b>	The network works as a community that supports professional learning for those educators that are in a mathematics leadership role. The network meetings include the sharing of ideas and solutions through collaborative discourse as well as best practices in coaching mathematics teachers.  Support for the Roles of the Mathematics Specialist include: <ul style="list-style-type: none"> <li>• Helping to overcome the content knowledge gap of teachers</li> <li>• Developing awareness for content coaching and mentoring</li> <li>• Facilitating the role of the new CCSS Standards in instruction</li> <li>• Enhancing professional expertise and leadership skills</li> <li>• Developing Rtl Systems in Mathematics</li> <li>• Developing instructional Framework in Mathematics</li> </ul>	
<b>Standards</b>	WTS 2, 3, 4, 6, 7, 8, 9, 10	
<b>Registration</b>	Registration includes: Handouts and book fees, lunch is on your own. <u>Gold Level:</u> \$40 per participant <u>Silver Level:</u> \$70 per participant <u>Non-member:</u> \$100 per participant  Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.	Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.  Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a> .



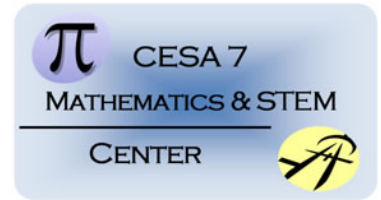
# Rtl Modeled Mathematics Interventions

## Grades 6-10

(Content, Pedagogy)

With Chris Castillero

<b>Schedule</b>	<b>Date: September 29, 2011</b> Location: CESA 7 Check in begins: 8:00 a.m. Workshop: 8:30 a.m. to 3:00 p.m.	<b>OR</b>	<b>Date: March 1, 2012</b> Location: CESA 7 Check in begins: 8:00 a.m. Workshop: 8:30 a.m. to 3:00 p.m.
<b>Audience</b>	6-10 Mathematics Instructors, Title I Teachers, Special Education Teachers, Mathematics Interventionists, Implementers of Rtl		
<b>Presenter</b>	Chris Castillero, CESA 7 STEM Coordinator		
<b>Description</b>	<p>In this session, Grades 6-10 teachers will learn strategies for successful implementations of interventions in a secondary setting. Knowing where to intervene in a students' learning process is just as significant as knowing how to intervene. Working with researched-based implementation strategies, participants will go through a process of defining intervention for their own school or classroom that will not add to the already overwhelming work load. This includes looking for time in a complicated schedule.</p> <p><b>In this workshop, participants will ...</b></p> <ul style="list-style-type: none"> <li>• Develop an intervention philosophy and process for interventions in their secondary school or district</li> <li>• Learn techniques for maintaining interventions including utilizing additional resources and finding time to intervene in a secondary schedule.</li> </ul>		
<b>Standards</b>	WTS 1, 2, 3, 4, 6, 7, 8, 9,		
<b>Registration</b>	Registration includes: Handouts, lunch is on your own. <u>Gold Level:</u> \$49 per participant <u>Silver Level:</u> \$99 per participant <u>Nonmember:</u> \$199 per participant Fees are based on 2011-12 district/school membership. Please contact your business office to verify your district's membership.		Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.  Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a> .

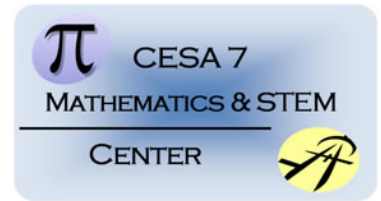


# CCSS Modeled Texas Instruments Workshop

(Technology)

With Presenters *TBD*

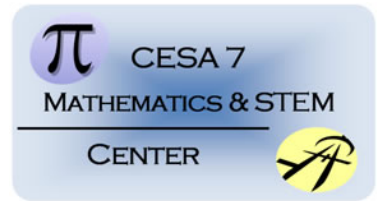
<b>Schedule</b>	<p><b>Date: April 19, 2012</b>                  Location: CESA 7                  Check in begins at 8:00 a.m.                  Session Times: 8:30 a.m. to 3:00 p.m.</p>	
<b>Audience</b>	6-12 Teachers, Title I Teachers, Special Education Teachers	
<b>Presenter</b>	To Be Announced	
<b>Description</b>	<p>Join Texas Instruments and CESA 7 for an exciting day filled with sessions to help you to integrate TI-Nspire technology and its suite of products into your classroom and help increase the success of all your students. Best of all, this event is a great opportunity to directly experience TI technology in a “hands-on” way. All participants will receive TI-Nspire Teacher Edition software valued at \$150!</p> <p>Make your reservations now!</p>	
<b>Standards</b>	WTS 1, 2, 3, 4, 6, 7, 8, 9, 10	
<b>Registration</b>	<p><i>Registration includes: Handouts, lunch is on your own.</i></p> <p><u>Gold Level:</u> \$10</p> <p><u>Silver Level:</u> \$20</p> <p><u>Non-member:</u> \$50</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district’s membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the “register” icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>



# Investigating the Transformational Geometry in the CCSS using Geometers Sketch Pad

With Presenters *TBD*

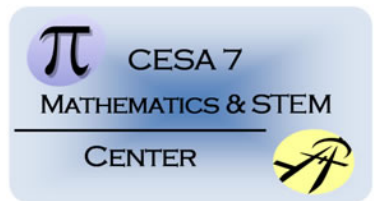
<b>Schedule</b>	<p><b>Date:</b> March 6, 2012                  Location: CESA 7                  Check in begins at 8:00 a.m.                  Session Times: 8:30 a.m. to 3:00 p.m.</p>	
<b>Audience</b>	6-12 Teachers, Title I Teachers, Special Education Teachers	
<b>Presenter</b>		
<b>Description</b>	<p>The Common Core State Standards in high school geometry will often reference the use of dynamic geometry software. Using the appropriate tool to aid in investigation and understanding in geometry will help students develop the concepts that can otherwise be hard to see with pencil and paper. In this session, geometry teachers will use Sketch Pad to manipulate a geometric problem to come at understanding. This first session will allow participants to get used to the tool and start to plan geometry lessons using the tool.</p>	
<b>Standards</b>	WTS 1, 2, 3, 4, 6, 7, 8, 9, 10	
<b>Registration</b>	<p><i>Registration includes: Handouts, lunch is on your own.</i></p> <p><u>Gold Level:</u> \$49  <u>Silver Level:</u> \$99  <u>Non-member:</u> \$199</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>



# Using Technology in your STEM Classroom

With *Chris Castillero*

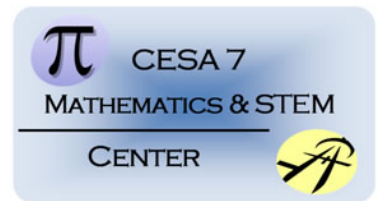
<p><b>Schedule</b></p>	<p><b>Date: November 23, 2011</b>                  Location: CESA 7                  Check in begins at 8:00 a.m.                  Session Times: 8:30 a.m. to 3:00 p.m.</p>	<p><b>Date: January 25, 2012</b>                  Location: CESA 7                  Check in begins at 8:00 a.m.                  Session Times: 8:30 a.m. to 3:00 p.m.</p>
<p><b>Audience</b></p>	<p>STEM Teachers, Title I Teachers, Special Education Teachers</p>	
<p><b>Presenter</b></p>	<p>Chris Castillero, CESA 7 Mathematics/STEM Coordinator</p>	
<p><b>Description</b></p>	<p>Technology can be a powerful ally in helping teachers assess and communicate understanding of concepts in STEM. Students who can communicate and problem solve with technology will have an advantage in any of the STEM related professions.</p> <p><b>In this workshop, participants will ...</b></p> <ul style="list-style-type: none"> <li>• Investigate most technology options that available for use in the classroom</li> <li>• Use tools such as Google Docs, Wall Wisher etc.. to implement into classroom instruction</li> <li>• Investigate student use of technology tools in the classroom</li> </ul>	
<p><b>Standards</b></p>	<p>WTS 1, 2, 3, 4, 6, 7, 8, 9, 10</p>	
<p><b>Registration</b></p>	<p><i>Registration includes: Handouts, lunch is on your own.</i></p> <p><u>Gold Level:</u> \$49</p> <p><u>Silver Level:</u> \$99</p> <p><u>Non-member:</u> \$199</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>



# Creating Ah Ha's -- Connecting to the CCSS

With Sandy Atkins

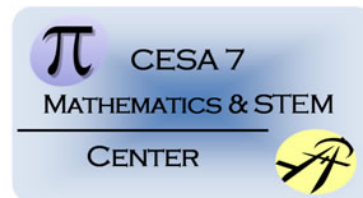
<b>Schedule</b>	<b>Dates: TBA</b> Location: CESA 7 Check in begins: 8:00 a.m. Workshop: 8:30 to 11:30 a.m.	
<b>Audience</b>	K-8 Teachers, Title I Teachers, Special Education Teachers	
<b>Presenter</b>	Sandy Atkins , Ph.D.	
<b>Description</b>	<p><b>Developing a depth of understanding of number to close the computational fluency gap.</b></p> <p>When shown five fingers and two fingers, why do students count all five fingers every time? Why don't they just count on? When asked what 14-7 is, why do many students use paper and pencil and then regroup? Why do students regroup to find 2001-3 versus counting back?</p> <p>In this full day session we will examine strategies for closing the computational fluency gap by developing a deep understanding of number. We'll begin with counting and extend to understandings of place value, relative size and position, estimating and rounding, finding equivalent forms of number, and ending with operating on numbers.</p> <p>K-5: Particular attention will be given to work with whole numbers connecting to work with fractions and decimals.</p> <p>6-8: Particular attention will be given to work with fractions and decimals as well as work with integers.</p>	
<b>Standards</b>	WTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	
<b>Registration</b>	Registration includes: Handouts <u>Gold Level:</u> \$199 <u>Silver Level:</u> \$279 per session <u>Non-member:</u> \$349 per session Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.	Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.  Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a> .



# Implementing the Mathematics Common Core State Standards in Mathematics

With Chris Castillero

<b>Schedule</b>	<p><b>Date: October 14<sup>th</sup> 2011</b>                  Location: CESA 7                  Check in begins: 8:00 a.m. Workshop: 8:30 to 3:00 p.m.</p>	
<b>Audience</b>	Mathematics Teachers, Title I Teachers, Special Education Teachers	
<b>Presenter</b>	Chris Castillero	
<b>Description</b>	<p>Participants will review the process of rolling out Common Core State Standards that builds educators' understanding of Mathematics as well as a successful process that leads teachers and leaders through the standards investigation. The workshop will include pacing guidelines, tools and Investigation Guides that have been effective with educator teams in CESA 7.</p> <p>Participants will also experience a process for planning the implementation of the standards by the year 2014-15. This can be a complicated process that has multiple layers of good communication, planning time and recording tools. This session will provide resources and a process for planning how the standards should be implemented.</p> <p>As a bonus, learn about an exciting new tool for deeper investigations of standards through standards unpacking — the <i>StandardsInsight</i> web-based tool</p>	
<b>Standards</b>	WTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	
<b>Registration</b>	<p><i>Registration includes: Handouts, lunch is on your own.</i></p> <p><u>Gold Level:</u> \$49</p> <p><u>Silver Level:</u> \$99 per session</p> <p><u>Non-member:</u> \$199 per session</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>



# Domain Study of the Common Core State Standards

With Chris Castillero

<b>Schedule</b>	<b>K-5 Domain Study</b> Location: Sturgeon Bay Dates: June 29 to July , 2011	<b>6-8 Domain Study</b> Location: Sheboygan Falls Dates: July 26 to July 28, 2011	<b>HS Domain Study</b> Location: Pulaski HS Dates: August 2 to August 5, 2011
	Check in begins: 8:00 a.m. Workshop: 8:30 to 4:00 p.m.		
<b>Audience</b>	Mathematics Teachers, Title I Teachers, Special Education Teachers		
<b>Presenter</b>	Chris Castillero		
<b>Description</b>	<p>For those teachers of mathematics who would like a deeper look at the Common Core State Standards we have created Domain Study. In this multi-day session participants will experience the common threads of mathematical thought that are present in the document. By using mathematical tasks and concepts such as unitizing, we can see the way mathematics evolves and why it is so important that students have good mathematical foundations to make connections. In addition to the threads of mathematics, the session will also incorporate the Standards for Mathematical Practice. By having participants experience the progression of the math, we can draw attention to the particular “habits of mind” or practices that are utilized in the process.</p> <p>Overall, this session will give participants a mathematical experience that makes connections over multiple grades and conceptual categories through the use of mathematical practices. That experience will transfer directly to:</p> <ul style="list-style-type: none"> <li>• Instruction - by giving the teachers the background knowledge to ask good guiding questions to better facilitate classroom discourse</li> <li>• Assessment - by providing teachers the depth that will allow them to create assessments that are a better reflection of where the students are</li> <li>• Intervention - knowing how a student progresses through a domain will aid in the diagnostic process thus allowing the teacher to create the proper intervention for students</li> </ul>		
<b>Standards</b>	WTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10		
<b>Registration</b>	<p>Registration includes: Handouts</p> <p><u>Gold Level:</u> \$240</p> <p><u>Silver Level:</u> \$395 per session</p> <p><u>Non-member:</u> \$510 per session</p> <p>Three College Credits are available through UWGB at \$190 per credit</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district’s membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the “register” icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>	



# Implementing the Common Core State Standards in Science

With Chris Castillero

<b>Schedule</b>	<p><b>Date: November 30, 2011</b>                  Location: CESA 7                  Check in begins: 8:00 a.m. Workshop: 8:30 to 3:00 p.m.</p>	
<b>Audience</b>	<p>Science Teachers, Title I Teachers, Special Education Teachers</p>	
<b>Presenter</b>	<p>TBA</p>	
<b>Description</b>	<p>Participants will review the process of rolling -out Common Core State Standards that builds educators' understanding of Science as well as successful processes which leads teachers and leaders through the standards investigation. The workshop will include pacing guidelines, tools and Investigation Guides that have been effective with educator teams in CESA 7.</p> <p>Participants will also experience a process for planning the implementation of the standards. This can be a complicated process that has multiple layers of good communication, planning time and recording tools. This session will provide resources and a process for planning how the standards should be implemented.</p> <p>As a bonus learn about an exciting new tool for deeper investigations of standards through standards unpacking — the <i>StandardsInsight</i> web-based tool.</p>	
<b>Standards</b>	<p>WTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10</p>	
<b>Registration</b>	<p><i>Registration includes: Handouts, lunch is on your own.</i></p> <p><u>Gold Level:</u> \$49</p> <p><u>Silver Level:</u> \$99 per session</p> <p><u>Non-member:</u> \$199 per session</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>



# Investigating the Common Core State Standards in Science

<b>Schedule</b>	<p><b>Date:</b> March, April and May 2012  <b>Location:</b> CESA 7  <b>Check in begins:</b> 8:00 a.m. <b>Workshop:</b> 8:30 a.m. to 3:00 p.m.</p>	
<b>Audience</b>	Science Teachers, Title I Teachers, Special Education Teachers	
<b>Presenter</b>	TBA	
<b>Description</b>	<p>Similar to the Mathematics and ELA investigation process, investigation into the Common Core State Standards for Science will take participants through the standards document. This session will highlight:</p> <ul style="list-style-type: none"> <li>• The structure of the document</li> <li>• Important features of the document</li> <li>• Investigations of key sections</li> <li>• vocabulary</li> <li>• instructional implications</li> <li>• connections to prior and future standards</li> </ul> <p>We will hold three sessions, K-5 in march, 6-8 April and HS in May of 2012</p>	
<b>Standards</b>	WTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	
<b>Registration</b>	<p><i>Registration includes: Handouts, lunch is on your own.</i></p> <p><u>Gold Level:</u> \$49</p> <p><u>Silver Level:</u> \$99 per session</p> <p><u>Non-member:</u> \$199 per session</p> <p>Fees are based on 2011 -12 district/school membership. Please contact your business office to verify your district's membership.</p>	<p>Please visit <a href="http://www.cesa7.k12.wi.us">www.cesa7.k12.wi.us</a> and click the "register" icon.</p> <p>Contact Nancy Schlies with the CESA 7 School Improvement Services department for further information at <a href="mailto:nschlies@cesa7.k12.wi.us">nschlies@cesa7.k12.wi.us</a>.</p>