



Summer Regional Workshops

Building a Community of Mathematicians: Focus on Problem Solving, Mathematical Reasoning and Classroom Discourse

Participants will **engage in problem solving and learn how to design rich mathematical tasks for their students** at all grade levels. **Tasks will encourage students to develop mathematical reasoning skills and participate in productive discourse.** Tips for **formative assessments** will be included.

The **Indiana Council of Teachers of Mathematics** is sponsoring this workshop to introduce high school and middle school teachers to the new NCTM publication, Taking Action Implementing Effective Mathematics Teaching Practices in Grades 9-12 and in Grades 6-8. Also used as resources in planning will be Jo Boaler's Mathematical Mindsets and Extending Children's Mathematics: Cognitively Guided Instruction by Thomas P. Carpenter.

We are also partnering with **Texas Instruments** to provide engaging sessions for Grades 6-12 teachers.

- **Grades 9-12- Teaching Strategies for Success in a Mathematics Classroom**
This workshop will focus on current best practices and research in effective teaching strategies. Participants will learn together to deepen understanding of learning and assessment with TI technology as a tool. We will discuss approaches for making thinking visible, incorporating questioning strategies such as anticipating, pacing, monitoring and sequencing. We will cover key concepts from experts in education to impact and grow learning. Also included in the training will be helpful ISTEP test preparation tips and information for using the TI-Exam Calc.
- **Grades 6-8- Teaching- Rethinking How We Teach Ratios and Proportional Reasoning**
Is there more to the mathematical story for ratios and proportional reasoning? As we implement new standards, how can we be sure that we are using effective models and examples to build a coherent understanding of these concepts in the middle grades? Join us as we discuss how we changed our approach to teaching these topics by first deepening our own understanding of ratios and proportions. Learn how educators are using TI-Nspire™ technology and the free Building Concepts lessons to enhance visualization in support of learning. Teachers will receive TI-Nspire CX Teacher Software (\$130 value).

This workshop will focus on:

- Classroom implementation experiences from a teacher using Building Concepts lessons
- Perspective gained while presenting Building Concepts professional development materials
- How to access Texas Instruments resources supporting middle grades mathematics teachers

Schedule

8:30 – 9:00 a.m.	Registration
9:00-10:25 a.m.	Session I
10:25-10:35 a.m.	Break
10:35-12:00 noon	Session II

Registration Fee:

ICTM Members - \$20
Non-Members - \$35

Click [here](#) to join ICTM.

Annual membership fee is \$15.00.





WORKSHOP LOCATIONS

Central July 11, 2017 West Central IN ESC 1 North Calbert Way Greencastle, IN	Northern July 12, 2017 Region 8 Education Service Center 1027 West Rudisill Ft. Wayne, IN	Southern July 25, 2017 Jasper high School 1600 St. Charles St. Jasper, IN
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REGISTRATION

Registration Deadline is July 5, 2017.

To register, click on the appropriate link or complete the form below and send with payment to the regional Service Center. P.O. and Checks should be made out to the Education Service Centers.

Central

West Central Education Service Center
 P.O. Box 21
 Greencastle, IN 46135
 Attn: Valerie Buchanan
www.wciesc.k12.in.us

Northern

Region 8 Education Service Center
 1027 WestRudisill
 Ft. Wayne, IN
 Attn: Misty Gehres
mgehres@r8esc.k12.in.us

Southern

Southern Indiana Education Center
 1102 Tree Lane Drive
 Jasper, IN 47546
 Attn: DeAnne Taggart
[SIEC ICTM Registration](#)

Registration Form

ICTM Summer Workshop: The Active 8: Indiana Process Standards for Mathematics

Name _____ Grade Level _____

Address _____

Phone # _____ Email _____

School Corporation _____ Building _____

Are you an active member of ICTM? Yes or No

Circle One: Central Northern Southern
 July 11, 2017 July 12, 2017 July 25, 2017

Circle One: K-2 Session 3-5 Session 6-8 Session 9-12 Session

Please send payment to the regional Education Service Center. Address is listed above.