



Greetings from the Director:

LAWMASC is working with members of the Livingston and Washtenaw Mathematics Steering Committee to develop a three to five year mathematics professional development plan that will meet the needs of all levels of mathematics teachers in our service area. In February, the group will be meeting to determine the types of activities that will be offered and the timeline during which they will be offered. We would like to thank all of you who participated in our survey to help determine your needs.

Please feel free to contact your building representative to get updates on the Steering Committee's progress.

Feel free to call, email, or visit our website which will be up and running soon at www.lawmasc.net. LAWMASC is here to serve you.

Sincerely,

Nicole Garcia

LAWMASC Director

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Email: ngarcia@wash.k12.mi.us

LAWMASC Listservs

Would you like to receive up to date information on professional development opportunities, local and national conferences, web resources, available grants and more?

Join our listservs:

Mathematics: email ngarcia@wash.k12.mi.us with LAWMASC_MATH in the subject. Please include your name, organization and role in the body of the email

Science: email to ngarcia@wash.k12.mi.us with LAWMASC_SCI in the subject. Please include your name, organization and role in the body of the email

Inside this issue:

Mathematics Institutes 2

MDE Events 2

HS MASS II: Building High School Math and 3

2007-2008 Conferences and Conventions 4

Become a Green School 4

Learning Opportunities 4

Michigan Joint Educational Conference 4



These materials were developed under a grant awarded by the Michigan Department of Education

Algebra for All Mathematics Institute at LESA

Teams of high school mathematics teachers in grades 8 through high school that teach Algebra I are invited to participate in a cohort of mathematics educators in a sustained professional context that seeks to impact student learning of mathematics. The content focus of the course is Algebra I. Algebra I builds upon a number of key algebraic topics assumed to have been developed in the middle grades, namely a deep knowledge of linear patterns of change and familiarity with nonlinear patterns such as exponential and quadratic. It is expected that students entering Algebra I are able to recognize and solve mathematical and real-world problems involving linear relationships and to make sense of and move fluently among the graphic, numeric, symbolic, and verbal representations of these patterns. In this course, teachers will explore the algebraic reasoning in the high school content expectations for Algebra I.

When: A sequence of five Wednesdays: 1/30, 2/13, 3/12, 3/26, and 4/23

Where: Livingston ESA, 1425 W. Grand River Ave, Howell, MI 48843

Fee: Free! Graduate Credit is available for a fee through University of Michigan Dearborn

To Register: <https://www2.wash.k12.mi.us/achieveinit/sds/staffdev/SectionDisplay.asp?SectionID=2928>

Michigan Department of Education Events

MDE Webinars

Personal Curriculum Webinars:

February 5, March 18, April 15,
April 29, and May 6

Science Webinar: February 19

Social Studies Webinar: February 26

Math Webinar: March 4

World Languages Webinar: May 13

Visit www.michigan.gov for more information

Michigan Merit Curriculum

Update Regional Rollouts:

Online Experience, Personal Curriculum, Science k-7, social studies k-12, Visual, Performing and Applied Arts, and World Languages

February 4,5 from 8:30-3:00

St. Clair County RESA
www.sccresa.org

February 22, 8:30-3:00

Kalamazoo RESA
www.kresa.org

March 4, 8:30-3:00

Wayne RESA
www.resa.net

March 28, 8:30-3:00

Ingham ISD
www.inghamisd.org

HS MASS II: Building High School Math and Science Success!

Funded by an MDE grant to the Michigan Math/Science Centers Network, HS-MASS II is a statewide training for teachers aimed at improving student performance on the Michigan Merit Exam (MME). All new for 2008, Day 1 of HSMASS II will focus on unpacking and using the recently published High School Content Expectations (HSCE) Companion Documents as guides for instruction. On Day 2, participants will learn about developing and using Classroom

Day 1	<p>Livingston Session: February 22 at LESA</p> <p>Washtenaw Session: February 21 at WISD</p> <p>8:30—3:30</p>	<ul style="list-style-type: none"> • Explore HSCE companion documents for Physics, Biology, Chemistry, Earth Science and Algebra I • Unpack the HSCEs to identify “Big Ideas” for instruction • Use a lesson-building procedure to write learning targets and develop an instructional activity around a “Big Idea” in a course you teach. <i>Bring your teaching materials.</i>
Day 2	<p>Livingston Session: February 29 at LESA</p> <p>Washtenaw Session: February 28 at WISD</p> <p>8:30-3:30</p>	<ul style="list-style-type: none"> • Learn strategies to write and use formative assessments that enable learning. • Develop a formative student assessment to be used with one of the classes you teach.

Cost: FREE! Funded by a grant from MDE to Math & Science Centers—Lunch included
A \$65 fee will be charged for registrants who do not attend both days.

<p>What will I be expected to do?</p> <p>As a requirement for funding, teacher participants are expected to:</p> <ol style="list-style-type: none"> 1. Complete a pre-program teacher assessment 2. Create a student assessment 3. Administer the student PRE and POST-instructional activity assessment in your class and return completed tests to workshop facilitator 4. Complete an end-of-program teacher assessment 5. Submit a paper copy of your student assessment <p>* Bring textbook or other materials for one class you will be teaching</p>	<p>What will I get?</p> <ul style="list-style-type: none"> • Set of HSCE Companion Documents for Math or Science • \$150 for your department OR substitute teacher reimbursement
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Who should attend? High School Science and Math Teachers, including 8th grade, if applicable.

What if I attended HS-MASS I? HS-MASS II will cover new material, building on what you already learned.

What if I did not attend HS-MASS I last year? Previous attendance at HS-MASS I is NOT required.

Register On-line at <https://www2.wash.k12.mi.us/achieveinit/sds/staffdev/>

2007-2008 Conferences and Conventions

Mathematics

April 9-12, 2008

National Council of Teachers of Mathematics

NCTM Annual Meeting

Salt Lake City, Utah

www.nctm.org

Science

February 28, 2008

Sam Rhine's Genetic Update Conference

Jackson Community College

www.samrhine.com

March 6-8, 2008

Michigan Science Teachers Association

MSTA Annual Conference

Lansing, MI

www.msta-mich.org

Technology

March 5-7, 2008

Michigan Association of Computer Users in Learning

MACUL Conference

Grand Rapids, MI

www.macul.org

Michigan Joint

Educational Conference

June 25, 2008

The purpose of the Michigan Joint Educational Conference is to establish widespread use of highly relevant integrated curriculum and instruction in Michigan schools.

Sponsoring organizations: Michigan Council for Social Studies (MCSS), Michigan Council for the Teachers of Mathematics (MCTM), the Michigan Science Teachers Association (MSTA), and the Michigan Association for Computer Users in Learning (MACUL), Michigan Association of Middle School Educators (MAMSE).

March 27-30, 2008

NSTA National Convention

Boston, MA

www.nsta.org

EMU Best Practices

Conference

February 8, 2008

Registration 8:00 at EMU Student Center or visit

www.ce.emich.edu/bestpractices

Become a Green School!

Green schools participate in energy and environmental savings activities and earn official "Michigan Green School" status. **Schools save money and the environment at the same time!** For more information or for an application, contact Trese Steinaway at SteinaT@livingstonesa.org or Nicole Garcia at ngarcia@wash.k12.mi.us

Other Learning Opportunities

Mathematics

Texas Instruments Online Courses from Central Michigan University

Earn graduate credit from CMU for online professional development courses in Math or Biology. Go to www.cel.cmich.edu/ti for more information

Science

Smithsonian Science Education Academies for Teachers in Washington DC: Programs for grades 5-12 teachers offered in the month of July. More information at <http://www.nsrconline.org/events>

NSTA Web Seminars: 90-minute, live web-based professional development that allows interaction with experts, NSTA Press authors, scientists, engineers, and education specialists from NSTA government partners. Visit the link for more information: <http://learningcenter.nsta.org/products/webseminars.aspx>

Teaching materials science, product life cycles and environmental design for grades 5-8 teachers

This 2-day workshop provides:

- A classroom set of "Designed by Nature", a middle school unit that integrates standards in science, economics, and language arts
- Stipend of \$125-\$200 for using the lessons by January 2009 and participating in evaluation
- Optional CEUs or 1 graduate credit from EMU

When: June 18th and 19th 2008

Where: Washtenaw ISD

Fee: \$100—includes curriculum, materials kit and lunch

Registration Information coming soon at www.lawmasc.org