

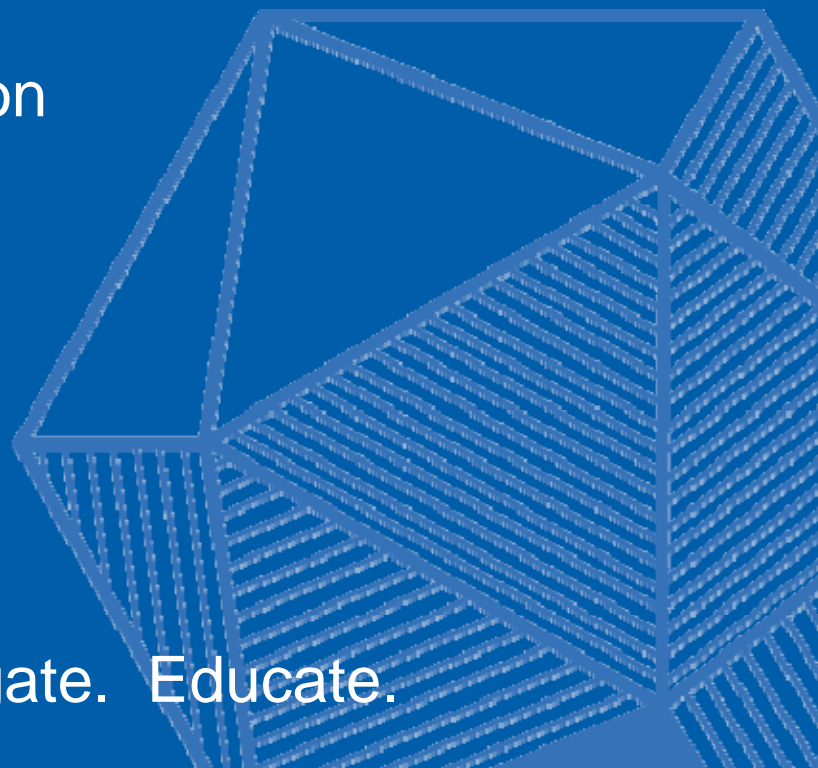


MAA

MATHEMATICAL ASSOCIATION OF AMERICA

The View from Washington
Section Governors Presentation

Participate. Investigate. Educate.



Why MAA?

- Members have told us these three words best portray the value the MAA provides.
 - **Participate** – more than any other math society, the MAA offers opportunities to participate and encourages its members to get involved.
 - **Investigate** – central to the MAA mission is mathematics at the collegiate level and providing the best in mathematical exposition.
 - **Educate** – the MAA provides the framework for both individuals and departments to become the best educators they can be.

Get involved. You are the MAA!



Participate

- Group Participation
 - Committees
 - 130+ Committees across all areas of interest
 - Department Liaisons
 - Become the voice of the MAA on your own campus
 - Sections
 - Governance
 - Meeting planning
 - Section NExT
 - Editorial Boards for publications
 - SIGMAAs
 - Governance
 - Activities
 - Become a competitions host site



Participate

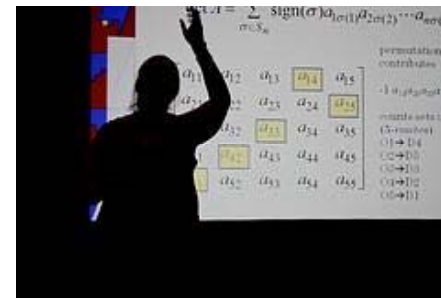
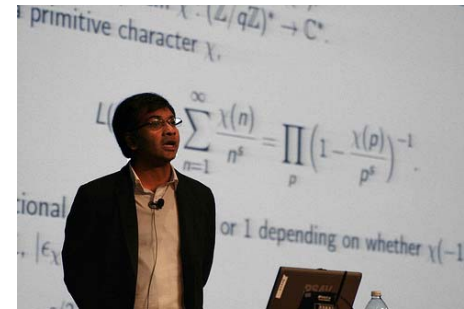
- Student Participation

- Student Chapters
- Student Memberships
- Student Poster Sessions
 - National Meetings
 - Section Meetings
- Math Jeopardy
- Competitions
 - American Mathematics Competitions
 - Putnam Competition
- RUMC (Regional Undergraduate Math Conferences)
- REU (Research Experience for Undergraduates)



Investigate

- Journals
 - Three most widely read mathematics journals in the world
 - Math Horizons
- Online Resources
 - MathDL / Loci / Math Reviews
 - YouTube Channel
- Meetings
 - JMM (largest annual gathering of mathematicians in the world)
 - MAA MathFest (largest annual summer math meeting)
 - Section meetings
- Special Interest Groups (SIGMAAs)
- Mathematical Study Tours



Educate

- Opportunities and Resources for Faculty
 - Project NExT (New Experiences in Teaching)
 - PREP (Professional Enhancement Programs)
 - Guidelines for Curriculum Development
 - Guidelines for Programs and Departments
 - WebWork online homework system
 - Classroom Capsules
 - Basic Library List
 - Grant Writing
 - Department Liaisons network
 - SAUM (Supporting Assessment in Student Learning)



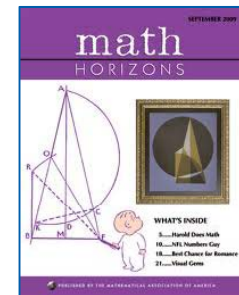
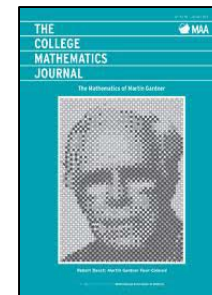
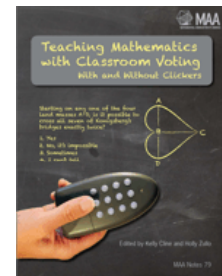
Educate

- For Students
 - Electronic membership
 - Student poster sessions
 - Regional Undergraduate Mathematics Conferences
 - National Research Experience for Undergraduate Programs
 - Tensor Grants
 - Strengthening Underrepresented Minority Mathematics Achievement; and
 - Women and Mathematics
 - Competitions
 - AMC 8/10/12
 - Putnam
 - Math Jeopardy



What's New? Books and Journals

- New online store powered by Amazon.com
- Expansion of e-books offerings
- Online Calculus book
- Full versions of e-journals now available
- *The College Mathematics Journal*
 - Special Martin Gardner issue
- Editor searches
 - *The College Mathematics Journal*
 - *Math Horizons*



What's New? Social and Electronic Media

- Expanded Social Media
- Journal and Book Blogs
- MAA Channel on YouTube (35 videos)
- Full Journals Online
- Monthly MAA Math Alerts
- Table of Contents Alerts
- MAA MinuteMath
- MAA Number a Day
- Aftermath



What's New? Meetings

- Joint Mathematics Meetings
 - Record attendance in 2012 – nearly 7,200 in Boston
 - 2013 meeting in San Diego, January 9-12



2012 Joint Mathematics Meetings

Largest Annual Mathematics Meeting in the World

January 4-7, 2012 (Wednesday-Saturday) Hynes Convention Center, Boston, MA

- MathFest 2012 in Madison, Wisconsin, August 2-4



New and Existing Programs

- **Characteristics of Successful Programs in College Calculus (NSF-DRL)**
Project to identify what works in college calculus instruction.
- **WeBWork: Improving Student Success in Mathematics (NSF-DUE)**
Open source online homework system, provides students with immediate feedback about the validity of their answers.
- **MAA Distinguished Lecture Series (NSA)**
NSA funds this DC-based series.
- **MAA Regional Undergraduate Mathematics Conferences (NSF-DMS)**
The object of the grant is to provide undergraduate students the opportunity to present mathematical results and expand their knowledge of math sciences.
- **MAA SUMMA Research Experiences for Undergraduates (NSA, NSF)**
Encourage minority students to pursue graduate studies in mathematics.
- **MAA Professional Enhancement Program (PREP), (NSF)**
Workshops to support growth for mathematicians at all stages of their careers.



New and Existing Programs

- **Project NExT**

Encourage your new faculty to apply for these fellowships.

- **Travel Grants for Undergrad Students to Attend National Meetings (NSA, NSF)**

Students get the chance to share their work and interact with peers.

- **Tensor Grants for Women in Mathematics (Tensor Foundation)**

Encourage the pursuit of math among female middle school students, high school students, and/or beginning college students.

- **Tensor SUMMA Grants (Tensor Foundation)**

Like above but focusing on under-represented groups.



- **Dolciani Mathematics Enrichment Grants (Dolciani Halloran Foundation)**

This program is structured along the lines of existing MAA Tensor grants.



What's New? Competitions

- **Team USA finished second at the 2011 International Math Olympiad**

All six team members brought home gold medals

- **China Girls Mathematics Olympiad**

All eight US team members medaled (2 gold, 1 silver, 5 bronze)

- **2012-13 AMC Dates**

- AMC 8, November 13, 2012
- AMC 10/12, February 5 & 20, 2013

- **2012 IMO in Mar del Plata, Argentina**



Interested in hosting on your campus? Contact AMC for more information.