NCTM

NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS

www.nctm.org

SESSION 106

DEVELOPING LEADERS IN MATHEMATICS EDUCATION: WHAT DOES IT TAKE?

NCTM | NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS

Leadership

- If your actions inspire others to
  - DREAM more,
  - LEARN more,
  - DO more, and
  - BECOME more,
  - You are *LEADING*!

PRESENTERS

- **Janet Herrelko** - ASC Central Region 1 Representative
  - jherrelko1@udayton.edu
- **Cathy Shelton** - ASC Southern Region 1 Representative
  - cshelt@verizon.net
- **Nancy Terman** - ASC Western Region 2 Representative
  - nancyterman@me.com
- **Shawn Towle** - ASC Eastern Region 1 Representative
  - towle.math@gmail.com

AFFILIATE SERVICES COMMITTEE

- The Affiliate Services Committee (ASC) is charged to promote the mission and goals of NCTM by
  - serving as a liaison between Affiliates and NCTM
  - identifying & developing leaders of mathematics education;
  - encouraging membership in NCTM and Affiliates;
  - supporting the development of Student Affiliates
  - overseeing the Resolutions process,
  - planning & facilitation of the Regional Caucuses and Delegate Assembly;
  - preparing an annual report for the Board of Directors

AFFILIATE SERVICES COMMITTEE

- ASC representatives are appointed to a three-year term by the NCTM president
  - **Canadian** Alberta, British Columbia, Manitoba, Saskatchewan, New Brunswick, Newfoundland, Nova Scotia, Ontario, Prince Edward Island, Quebec
  - **Central 1** Illinois, Indiana, Kentucky, Michigan, Ohio
  - **Central 2** Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota, Wisconsin
  - **Eastern 1** Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, Vermont
  - **Eastern 2** Delaware, District of Columbia, Maryland, New Jersey, Pennsylvania, West Virginia
  - **Southern 1** Bermuda, Florida, Georgia, North Carolina, Puerto Rico, South Carolina, Virgin Islands, Virginia
  - **Southern 2** Alabama, Arkansas, Louisiana, Mississippi., Oklahoma, Tennessee, Texas
  - **Western 1** Alaska, Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming
  - **Western 2** California, Guam, Hawaii, Oregon, Washington

NCTM WEBSITE

National Council of Teach

www.nctm.org

NCTM NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS

> JOIN > LOGIN > CART 0 ITEMS ($0.00)

Search All NCTM

About NCTM | Standards & Focal Points | Membership | Conferences | Professional Development | Journals & Books | Lessons & Resources | Research, News & Advocacy | Shop Online | JOIN NCTM

Elementary School
Middle School
High School
Higher Ed
Leaders
Families

Jobs Online
Advertising
Exhibiting
Affiliates
Advocacy

President's Corner

President's Messages

Common Core Standards
Resources
News Release

NCTM Summing Up
Your twice-monthly newsletter

Math Education SmartBrief

Teaching Mathematics for Social Justice — Conversations with Educators
A New York Times Education Best Seller

2014 Summer Interactive Institutes for Grades PK–12 — THE NCTM INTERACTIVE INSTITUTE SERIES
Join Us in San Diego or Chicago—Register Now!

APME 2015
Deadline Approaching: APME Call for Chapters

Position Statement
NCTM Issues Statement Supporting CCSSM

The Common Core State Standards For Mathematics
VIDEO: Common Core State Standards Myths and Facts

2014 NCTM ANNUAL MEETING & EXPOSITION — April 9–12 • New Orleans
Register: Nation's Premier Math Education Event!

From the President

Raising Teachers' Voices

One of the highlights of my work as president has been meeting teachers of mathematics in kindergarten through college from all around the country. It is immediately obvious that they care deeply about their students. It is also obvious that in this era of high-stakes tests, teachers are worried about how decisions made by elected officials will affect their ability to do what is best for students and their own futures. Read more.

3/14/2014 03:52:11 PM | Permanent Link

Conferences

700+ Sessions, Workshops & Bursts

Join NCTM in New Orleans April 9-12 for sessions that will help you "unpack" the Common Core State Standards for Mathematics (CCSSM), and get the tips, tools, and fresh ideas you need to help your students master CCSSM. Whether you're a veteran math teacher, math coach, or math specialist, or a new or preservice teacher, this conference has something for you. View the program and presentations.

3/14/2014 03:52:28 PM | Permanent Link

Share

SMI MATH INVENTORY — For Grades 2-9+
Powerful Data to Differentiate Math Instruction
Request an eKit

Apply for the MfA Master Teacher Fellowship.
Get Started

www.nctm.org/APME2015/

National Council of ... | NCTM ASC | NCTM ASC | Navigating NCTM ... | Intro - ASC | Rep Webinar SEPT 2... | 11:54 AM

NCTM WEBSITE

Affiliates

www.nctm.org/about/affiliates/content.aspx?id=10794

NCTM NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS

> JOIN | > LOGIN | > CART 0 ITEMS ($0.00)

Search All NCTM

About NCTM | Standards & Focal Points | Membership | Conferences | Professional Development | Journals & Books | Lessons & Resources | Research, News & Advocacy | Shop Online | JOIN NCTM

Home > About NCTM > Affiliates

- About NCTM
- NCTM Affiliates
  - About NCTM Affiliates
  - Affiliate Membership and NCTM Membership
  - Join an NCTM Affiliate
  - Affiliate Conferences
  - Affiliate Directory
  - Becoming an Affiliate
  - Affiliate Resources
- FAQs

JOIN NCTM

Affiliates

Share

About NCTM Affiliates

NCTM affiliates are independent organizations whose missions and goals are similar to those of the National Council of Teachers of Mathematics.

Student Affiliates

Organizations

Start a Student Affiliate

Affiliate Rebate Program

Affiliate Directory

Join an Affiliate

Resources

Conferences by Affiliates

NCTM Affiliate Leadership Circle

NCTM Platinum Level Affiliate

- Association of Mathematics Teacher Educators
- Council of Presidential Awardees in Mathematics
- National Council of Supervisors of Mathematics
- TODOS: Mathematics for ALL
- Women and Mathematics Education

NCTM Affiliate Leadership Circle Members

Be a part of the NCTM Affiliate Leadership Circle

www.nctm.org/about/affiliates/content.aspx?id=22571

Affiliates - Google C... | NCTM ASC | NCTM ASC | Navigating NCTM ... | Intro - ASC | Rep Webinar SEPT 2... | 11:55 AM

NCTM WEBSITE

Affiliate Resources

www.nctm.org/about/affiliates/content.aspx?id=22571

About NCTM | Standards & Focal Points | Membership | Conferences | Professional Development | Journals & Books | Lessons & Resources | Research, News & Advocacy | Shop Online | JOIN NCTM

Home > About NCTM > Affiliates

- About NCTM
- NCTM Affiliates
  - About NCTM Affiliates
  - Affiliate Membership and NCTM Membership
  - Join an NCTM Affiliate
  - Affiliate Conferences
  - Affiliate Directory
  - Becoming an Affiliate
  - Affiliate Resources
    - Services and Benefits
    - Forms and Downloads for Affiliates
    - Maintaining Affiliation with NCTM
    - AffiliateNews E-Newsletter
    - NCTM Affiliate Leaders Conferences
    - NCTM Affiliate Resources
    - NCTM Logo Usage
    - Guidelines and Policies
    - Delegate Assembly
    - MET Grants to Affiliates
    - NCTM Affiliate Recognition of Outstanding Publications
- FAQs

Affiliate Resources

Share

- Services and Benefits
- Forms and Downloads for Affiliates
- Guidelines and Policies
- Delegate Assembly
- NCTM Affiliate Leaders Conference
- MET Grants to Affiliates
- NCTM Conference and Institute Resources
- NCTM Affiliate Recognition of Outstanding Publications
- January Annual Mailing-Online

Page Feedback

Your feedback is important! Comments or concerns regarding the content of this page may be sent to nctm@nctm.org. Thank you.

Affiliate Resources - ... | NCTM ASC | NCTM ASC | Navigating NCTM ... | Intro - ASC | Rep Webinar SEPT 2... | 11:57 AM

NCTM WEBSITE: Leadership Resources E-SEMINARS

FREE for NCTM members, $79 for non-members

- Make your own Schedule – view seminar anytime
- One 60-minute online session
- One electronic copy of the E-Seminar Handout
- Facilitator Guide
- Video recording of seminar

NCTM NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS

NCTM WEBSITE: Leadership Resources REFLECTION GUIDES

Guides to use journal articles and books as professional development experiences.

- *Teaching Children Mathematics*
- *Mathematics Teaching in the Middle School*
- *Mathematics Teacher*
- *Journal for Research in Mathematics Education*
- ON-Math
- Other Publications

How Have You Experienced Leadership?

Pair up, introduce yourself, and take two minutes of uninterrupted time each to share with your partner about:

- *What kinds of leaders (helpful or not helpful, effective or not effective) have you experienced? What were their leadership qualities*?

What Would be on Your List of Effective Leadership Qualities?

- What were some common leadership qualities that stood out for you?
- If we were to create a list of effective leadership qualities, what would you add to the list?

How Do You Feel About Leadership?

- Some people regard leadership as a burden. Actually it is a privilege. Taking leadership will increase your understanding of yourself, of others, and of society. You will meet new people and have the satisfaction of making a difference."
  - Julian Weissglass, *Ripples of Hope*, pg.175

Seeing Oneself as a Leader

One way to think about leadership:

Leadership is taking responsibility for what matters to you.

What in math education is important to you that you want to take leadership for? What are your leadership qualities?

There are Many Ways to Take Leadership

- In your school,
- At your grade level,
- In your district,
- With your math council, etc.

All are important and necessary….

- Think of your own leadership context as we continue this session's discussions.

Leadership

Modeling

Connecting

Involving

Elements Needed

- **Model** – what you want to see in your organization
- **Connect** – with your members
- **Involve** – as many members as you can whenever you can

Preparation - Modeling

- Training
  - NCTM provides a Leadership Conference each year presented by the ASC
    - 2012 - Leadership Styles
    - 2013 - Using Social Media
    - 2014 - Transforming Affiliates from Good to Great
  - What does your Council / organization do to prepare new leaders?

Tools - Connecting

- Social Media
  - Communication
    - Electronic newsletters
    - Electronic Voting
    - Fast contacts with members
  - Where and How do your members have a voice in your organization?

Meeting Needs – Connecting & Involving

- Traditional Ways of Connecting
  - Use of US mail
  - Hard copies of ballots and newsletters
  - Less frequent contact
- 21st Century Modes of Connecting
  - Use of social media
    - Constant communication
    - All contact is electronic
    - Voting, registrations, newsletters, journals are only read on line.

Social Media – Involving and Connecting

- Twitter — I'm eating a #beignet
- Facebook — I like beignets
- FourSquare — This is where I eat beignets
- Instagram — A vintage photo of my beignet
- YouTube — Here I am eating a beignet
- Linked In — My skills include beignet eating
- Pinterest — Here is a beignet recipe
- G+ — I'm a google employee who eats beignets.

Why?

- Post with a purpose. Have a plan based on goals.
- What are your goals?
  - Improve website traffic
  - Registration/promotion of a conference
  - Grow your membership
  - Spotlight your articles and blog posts

Who and when?

- Who?
  - NCTM – President and Executive Director are the “official” voice of the organization
- When?
  - Classroom teachers tweet at night
  - Math Ed leaders tweet during the day
  - Small steady doses work best
  - Same message on multiple feeds
  - Make a calendar of messages.

Facebook and Twitter

- Multiple administrators
- Facebook and twitter can be linked – post on one with same post on another
- Needs to be more than advertising
- Start a conversation with a provocative prompt
- Get members to interact with one another
- Highlight your resources

Suggestions….

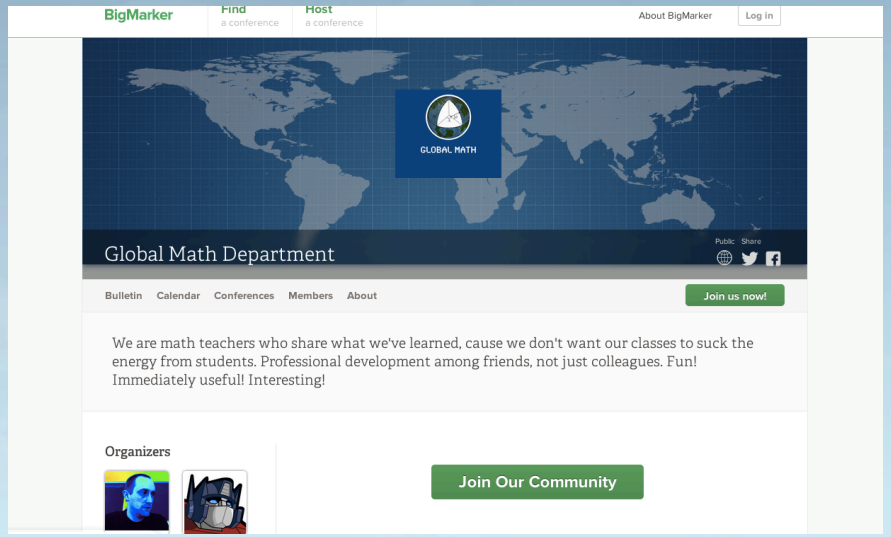
- Facebook
  - Best for visuals, avoid text
  - Individuals have “friends” you have followers
  - Members can share event photos
  - Follow associations like yours and share content

Suggestions….

- Twitter
  - Large following
  - Tend to be younger
  - Massive “mathtwitterblogosphere”
  - Retweeting shows that you are a good web neighbor

Global Math Department

- Promote these events for your members
- https://www.bigmarker.com/communities/GlobalMathDept/about



NCTM NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS

Why I don't "like" you…

- Carie Lewis, Director of Emerging Media for the Humane Society of the United States
- **http://prezi.com/6402qygr7iys/why-i-dont-like-you/**

Why I don't "like" you…

- Mistakes you can make:

  1. You post too often, like 5 times a day. It is just as easy to "unlike you"
  2. You post too little, if it was months ago, I'm not going to like you, I'm bored already.
  3. All you do is talk about yourself.
  4. Your page is nothing but text.---I'm a facebook user, I don't read.
  5. All you do is sell, sell, sell

http://prezi.com/6402qygr7iys/why-i-dont-like-you/

Why I don't "like" you…

6. You are ignoring me. You need to reply, like things etc.
7. You automate your posts with a hashtag.
8. I can't find you….put links on your website.
9. I can't participate on your page…..don't disable comments.
10. Make sure to have share buttons available.

http://prezi.com/6402qygr7iys/why-i-dont-like-you/

Why I don't "like" you…

6. You are ignoring me. You need to reply, like things etc.
7. You automate your posts with a hashtag.
8. I can't find you….put links on your website.
9. I can't participate on your page…..don't disable comments.
10. Make sure to have share buttons available.

http://prezi.com/6402qygr7iys/why-i-dont-like-you/

Why I don't "like" you…
what TO do!

- Answer everyone
- connect with your uber-fans
- be a user yourself
- maintain a consistent voice
- get fancy, steal ideas
- plan it out, but be flexible
- participate elsewhere as your page
- make real world events social
- be timely
- ask for input
- use photos and video
- close the loop...say thanks
- make it a safe place
- pay attention to feedback
- make friends, cross promote

NCTM NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS

http://prezi.com/6402qygr7iys/why-i-dont-like-you/

Sharing – Connecting and Involving

How do you differentiate your various communication methods to connect and involve all of your members?

Leadership Wrap-up

Modeling

Connecting

Involving

Headlines

If you were to write a headline for the session right now that captured the most important aspect that should be remembered, what would that headline be?

Leaders become great, not because of their power, but because of their ability to empower others.

~John Maxwell

www.gauraw.com

NCTM

NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS

www.nctm.org