

Developing a Vision for the Future

Preparing **ALL** students for
success in mathematics education

Agenda

- Why review?
- What is our process?
- What informs the vision of an effective Math Program for SAU 39 students?
- What is our collective vision for Mathematics Programming across SAU 39?

2009 Math Program Review

Committee Membership

Grades K-3

- Jen Eccelston, Math Coach (C/W)
- Liz Alexakos, Kindergarten teacher (C/W)
- Shakeh Dagdigian, 3rd grade teacher, CFG Coach(MVVS)
- Sue Blair, Principal (MVVS)
- Lesli Rendall, Parent (MV School District)

Grades 4-6

- Mary Beth Gilpin, 4th grade teacher (C/W)
- Kim Tighe, 4th grade teacher, (MVVS)
- Tiffany Maher, 5th grade teacher (AMS)
- Christine Estabrook, 5th grade teacher, CFG Coach (AMS)
- Karen Oates, Parent (Amherst School District)

Grades 7-9

- Corey Cranney, 7th grade teacher (AMS)
- Nancy Monks, 8th grade teacher (AMS)
- Donna Hamel, Math Coach (AMS)
- Amy McGuigan, Math Coach/Specialist , CFG Coach(SHS)
- Alan McGuy, Parent (SHS)

Grades 10-12

- JoAnne McDeed, grade 11 teacher (SHS)
- Jane Flythe, Special Education (SHS)
- Scott Prescott, Math Coach, CFG Coach (Consultant)

Co-Facilitators

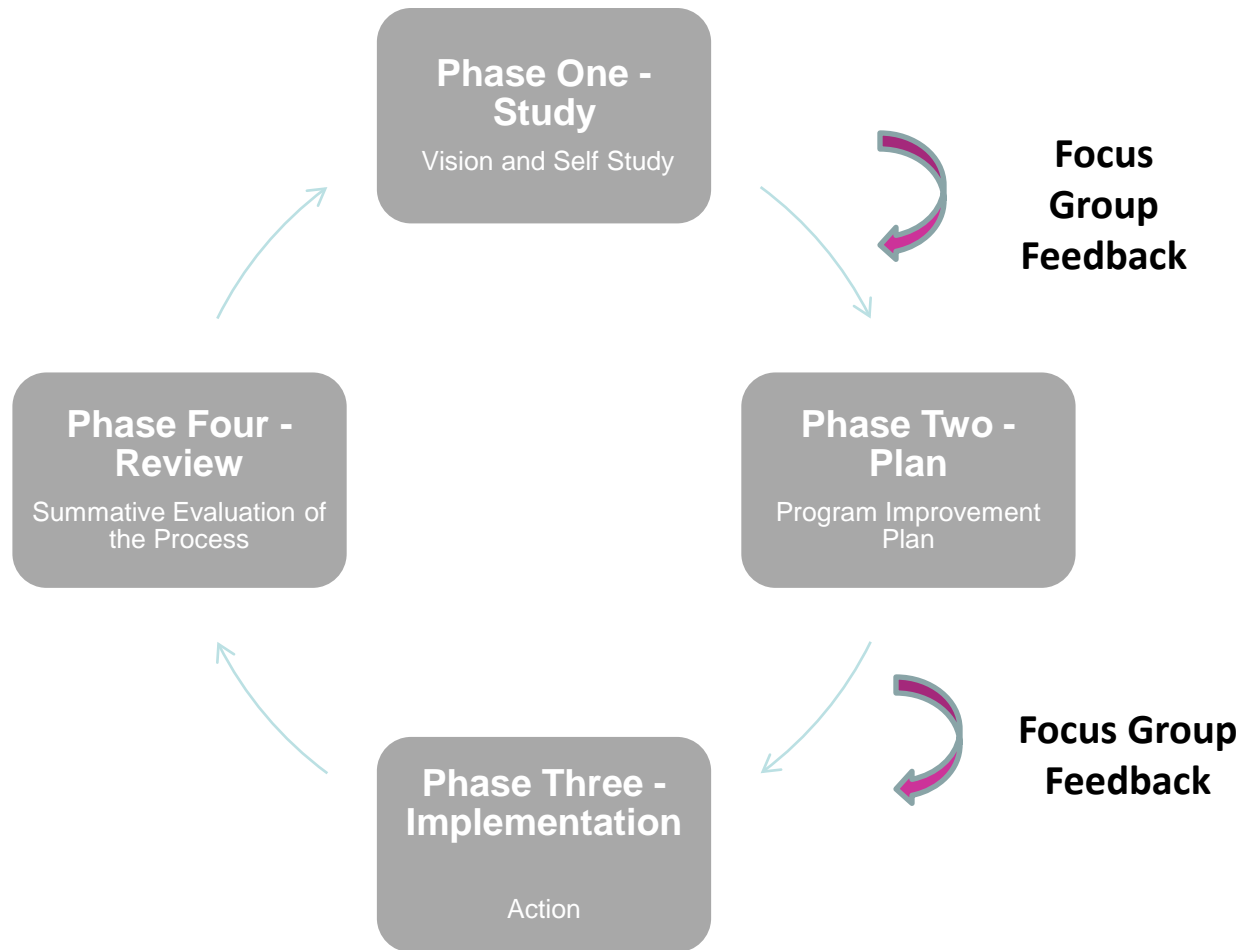
- Crista Burrell, Volunteer Math Consultant
- Nicole Heimarck, Director of Curriculum

Why review?

To engage, support and challenge all learners

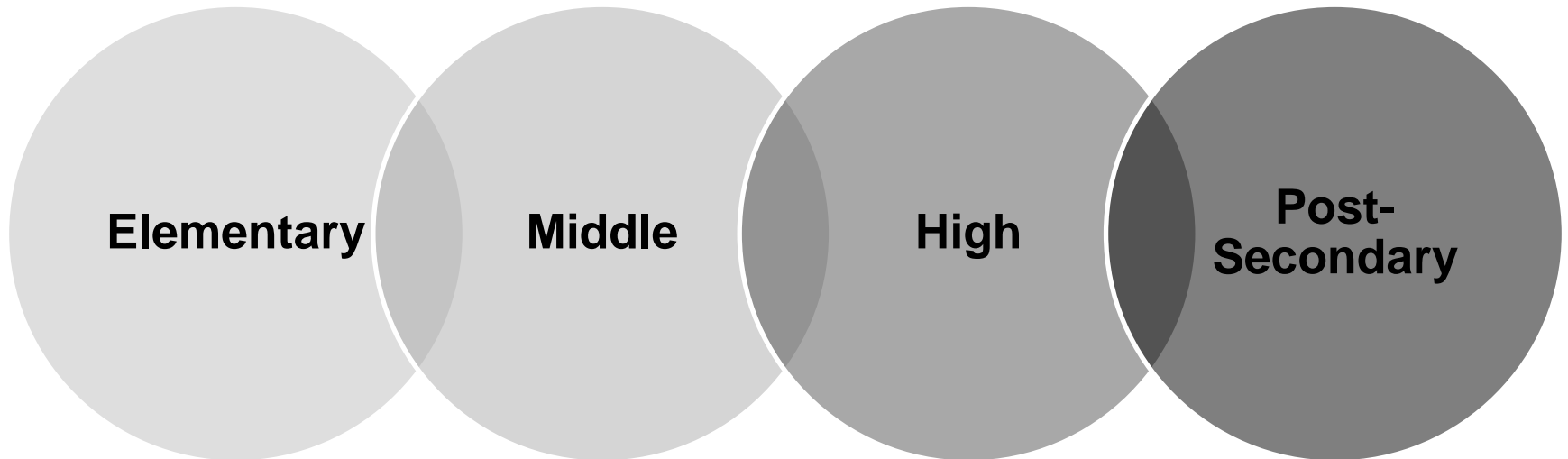
- Classroom
- School-wide
- District-wide
- SAU-wide

SAU-wide Review Four Phase Cycle

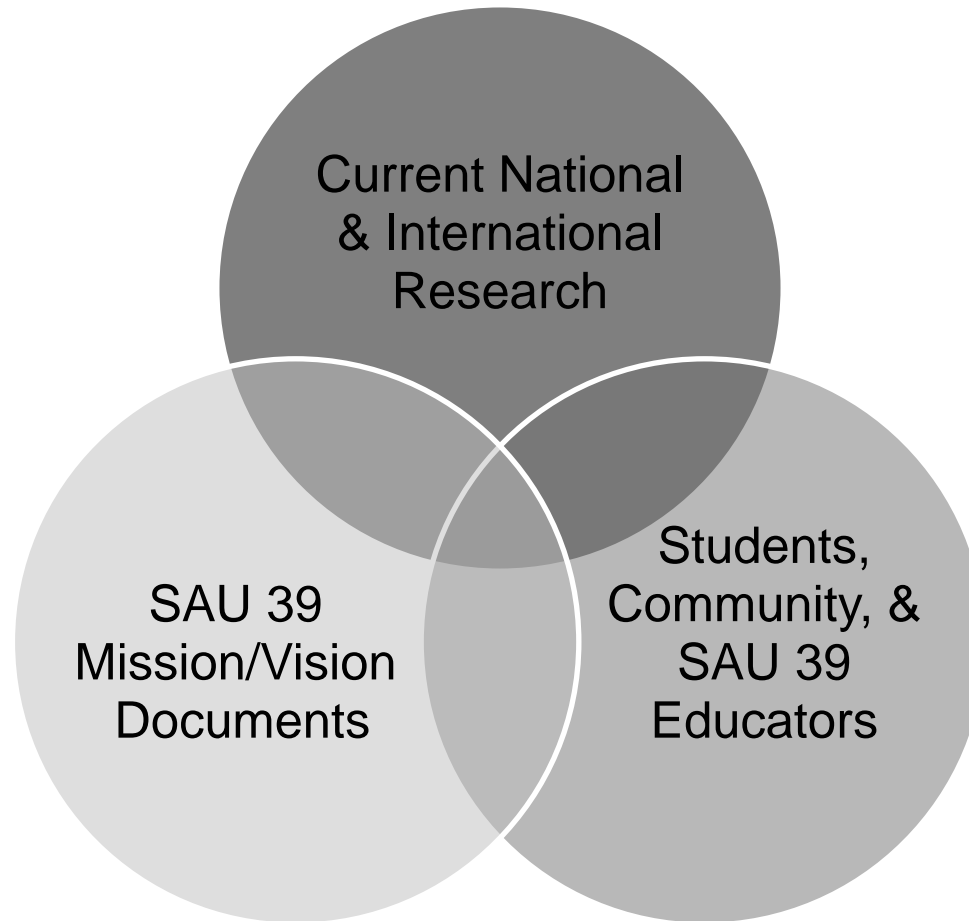


SAU-wide

Amherst, Mont Vernon, and Souhegan School Districts



What informs the SAU 39 Math Program Vision?



What is a mission?

A **mission statement** encapsulates an organization's **purpose** and communicates its essence to members, stakeholders, and the public. It states why the organization exists, what it seeks to accomplish, what it does to achieve this end and the ultimate result of its work.
(NCTM, 2009)

SAU 39 Mission

***To Engage, Support and
Challenge All Learners***

What is a vision?

A **vision statement** is a guiding image of an organization's success and the resulting contribution to society. A vision statement describes the **best possible outcome** and what the future consequently looks like. The purpose of the vision statement is to **inspire, energize, motivate, and stimulate creativity**. (NCTM, 2009)

Current National & International Studies

- Benchmarking for Success: Ensuring U.S. Students Receive a World-Class Education
- College and Career Readiness Standards for Mathematics
- The Opportunity Equation
- All research available on our website

www.sprise.com

Time for Community Feedback

Norms for our Time Together

- Pay attention to self and others
- Presume positive intentions
- Pursue a spirit of Inquiry
- Think “vision”...best possible outcome

4-Square

Box 1

Describe your vision of the future for a child in your care. What is the best possible outcome?

(3 words or phrases)

Whip

- Goal: *Build Collective Vision*
- Process:
 - State your name, child's grade/school, one word or phrase describing the vision of the future
 - Facilitator begins
 - Participant to the **right** follows
 - Proceed around the circle
 - Feel free to repeat or "pass"
 - After one revolution, individuals may add other thoughts not already heard

4-Square

Box 2

Describe the elements of a Mathematics program that would support that outcome?

(3 words or phrases)

Whip

- Goal: ***Build Collective Vision***
- Process:
 - State one element of a Math program that supports that vision of the future.
 - Assign a **Facilitator** and **Recorder**
 - Facilitator begins and individual to the left follows
 - Proceed around the circle
 - Feel free to “repeat” or “pass”
 - After one revolution, individuals may add other thoughts not already heard or documented
 - Once your table has recorded all thoughts please post your chart paper to the wall

Gallery Walk

Goal: To identify essential elements of our collective vision for SAU 39 Mathematics. What matters most?

1. Walk the room as if you were in an art gallery viewing **ALL** vision elements documented
2. After viewing **ALL** vision elements, prioritize your top 3
Put a **check mark next to your top 3**
 - Don't feel the need to check 3 if fewer are essential in your mind
 - If an element is repeated more than once only check it once

4-Square

Boxes 3 and 4

Box 3- How do we **involve** the entire community in the effort to **inspire**, **engage**, and **motivate** our students in the learning of Mathematics?

Box 4 - *What aspects of the evening were **most effective?** What **suggestions** do you have as we move forward?*

Vision Categories

Questions to Prompt your thinking. . .

- **Assessment** – What role does assessment play in the learning process?
- **Community** – Where in our community are there places to support student learning (i.e. home, library, etc...)? What does this look like?
- **Instruction** – What is the role of the teacher in the math classroom? What does this look like?
- **Learning Environment** – What are the elements of a learning environment that supports math education?
- **Curriculum** – What should students **know** and **be able to do** in mathematics? What informs this criteria?
- **Student Identity** – How do students see themselves as mathematical learners?
- **Professional Learning** – How do we support teachers as mathematical instructors?
- **Equity** - What is math education for **ALL**? What does this look like?

NCTM Vision Statement

The National Council of Teachers of Mathematics is a global leader and authority in mathematics education, ensuring that all students have access to the highest quality mathematics teaching and learning. We envision a world where everyone is enthused about mathematics, sees the value and beauty of mathematics, and is empowered by the opportunities mathematics affords.

Approved by Board of Directors, October 25, 2008

Next Steps...

- Phase 1 scheduled to be completed 06/30/10
- Literature reviewed by the full committee is posted on the SAU website www.sprise.com
- A perception survey asking stakeholders to report where we are in mathematics programming will become available...
- The Math PRC's "draft vision" will be posted for public viewing April 1, 2010
- A Self-Study Report will be brought before our school boards in June of 2010

Before you leave us

Please Return

- Markers and pens to the orange box
- 4 Square forms to the white box

Thank You for your Contributions!