

# Plan for the Day

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## Presentations

Whole group

Concurrent sessions

Panel

Action Plan Working Groups

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Mathematics and Science Teacher  
Educators Conferences (2001-2005)

Missouri Mathematics Leadership (MML)  
Conferences (1999-2003)

# Conference Themes

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- Addressing mathematics and science teacher shortage.
- Strengthening teacher preparation programs.
- Forging strong university and school partnerships
- Collaboration across teacher education institutions.
- NCLB initiatives (e.g., “highly qualified” teachers in every classroom)
- **Supporting beginning teachers.**

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**Action Plan Working Groups**

# Action Plans

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- Specific ideas emerge from discussion.
- Shared and prioritized.
- Written record.
- Individuals or groups follow-up on particular ideas.
- Collective wisdom supports specific action.

# Examples of Progress

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Establish a Missouri Center for Teacher Recruitment to provide statewide leadership in identifying critical teacher shortage areas in Missouri, recruiting potential candidates, and developing strategies for retaining well-qualified teachers. (1999)

# Examples of Progress

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Encourage institutions to explore and develop innovative routes to secondary mathematics certification for post-baccalaureate people with a substantial amount of mathematics. (2001)

# Examples of Progress

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Initiate summer teacher academies for master teachers to support leadership development. (2003)

# Examples of Progress

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Develop specialized professional development activities for beginning teachers (summer programs, conference activities, apprenticeships, networks, etc.) including linking pre-service and 1<sup>st</sup> year teachers with master teachers. (2000)

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Collectively we are a stronger voice for  
action than individually.

A set of action items provides a legacy for  
the conference and promotes continuation  
of thinking, collaboration, and specific  
action.

# Continuing the Work

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Sessions today will focus on the induction years.

- Teachers prepared in alternative programs.
- Teachers prepared in traditional programs.
- Strategies, challenges, support structures.

# **Action Plan Focus**

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Supporting and Retaining New Teachers

# Action Plan

## Working Groups

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- 9:00-9:45      Get organized, make a plan,  
begin discussions
- 11:00-11:45   Brainstorm, generate ideas
- 1:30-2:00      Review ideas, prioritize
- 3:00-3:45      Finalize plan, report to whole group

# Action Plan

## Working Groups

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- What challenges do beginning teachers face when implementing more demanding curriculum and supporting learning for all students?
- What specific actions and/or activities can university faculty (including mathematicians, scientists and mathematics and science teacher educators) organize to support beginning teachers in improving K-12 mathematics and science teaching and learning?

# Action Plan

## Working Groups

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Preparing math/science teachers for the first years of teaching--what is the responsibility of the teacher preparation program?

Recruiting, supporting and retaining new math/science teachers--what do teachers need and what is the responsibility of the university?

Continuing professional development--what do veteran teachers need to be able to support new teachers? How can the university help?