

**Info/Ed Programs  
Designed for MAP**  
How to offer more targeted programs

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Outstanding Schools Act of 1993

- Show-Me Standards
- MAP test
- School Accreditation--  
MSIP

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**No Child Left Behind--2001**

- Testing requirements
  - Grades 3-8 Math and Communication Arts (reading)
  - Science test at least one time in elementary, middle and high school

AYP

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### MAP Test Design

- Selected Response Items
  - Multiple Choice
  - Fill in the Blank
- Constructed Response Items
  - Former essay-type questions

Basically, any question that requires one correct answer

These items require students to write out an answer or explanation and usually have more than one correct answer or more than one way to demonstrate knowledge

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### Grade Level Expectations (GLEs)

- Developed from the Show-Me Standards and Frameworks, so it is not a completely new document
- Consists of Content Standards for each core subject
- Contains Process Standards that apply to any subject

[www.dese.mo.gov](http://www.dese.mo.gov)

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### Course Level Expectations (CLEs)

- Developed for high school only
- Identifies which GLEs should be appropriate for each course taught at the high school level
  - Example: Algebra, Biology

High school students now take an End of Course exam, rather than the MAP test

[www.dese.mo.gov](http://www.dese.mo.gov)

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### SWCD Programs

- Poster Contest
  - Think about grade for contest
  - With this year's topic, *Water is Life*, Grades K, 1, 5, 7. Earth Science or Ecology fit with science GLEs
  - Next year's topic on soils fits well with Grades 2, 4, Earth Science or Ecology
  - Focus on Process Standards

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### SWCD Programs

- Envirothon
  - Target FFA or Science Clubs
  - Target Earth Science or Ecology classes
  - Addresses Content GLEs for Strands 4, 5 and 8
  - Focus on Process Standards

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### SWCD Programs

- Photo Contest
  - Target art/photography classes or agriculture classes
  - Also look at Communication Arts or Fine Arts GLEs
  - Focus on the Process Standards

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### Practice with Process Standards

• Poster Contest	• Envirothon
Read over the 2008 Contest Theme	Read over the 2008 Current Event/Oral Presentation Topic
Write down at least 3 Process Standards that match with this project Goal 3, item 1 = 3.1	Write down at least 3 Process Standards that match with the Oral Presentation Goal 2, item 3 = 2.3

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### Practice with Science GLEs

- Now, take a look at your topics again think about the Content—Science.
- Try to match your topic with at least one GLE
  - Example: Strand 5—Processes and Interactions of ...
    - 1—Earth's systems (geosphere, atmosphere and hydro...
      - Concept A. The Earth's crust is composed...
        - Identify and describe the components of soil... for grade 4

(Grade 4 Science) 5.1.A.a

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### Project WET

- Project WET (Water Education for Teachers) is a program designed to provide educators with activities related to water.
- Provides teachers with another method of instruction to add to what they already do
- Very strong in aligning to the Process Standards and Science Content Strands 4, 5 and 8

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### Project WET Workshops

- Check the Project WET website for upcoming workshops around the state—  
[www.projectwet.missouristate.edu](http://www.projectwet.missouristate.edu)
- Contact me if you are interested in having a Project WET workshop in your area—  
[EricaCox@missouristate.edu](mailto:EricaCox@missouristate.edu)

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### Other Project Workshops

- Project WILD and WILD Aquatic
- Project Learning Tree
  - Both of these Projects are sponsored by the Missouri Department of Conservation
  - State Coordinator is at the Main Office in Jeff City

Leopold Education Project  
The State Coordinator is at Missouri State University in Springfield

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### Providing Research-Based Instruction

- Work of Robert J. Marzano—Education research
- Studied and interviewed master teachers and came up with 9 things they do to help students learn and achieve
- The top thing that master teachers do is help students to see **Similarities and Differences**

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### Similarities and Differences

- Includes the following:
  - Comparing and contrasting
  - Classifying
- Creating metaphors (identifying a pattern)
  - The eyes are the windows to the soul
- Creating analogies (identifying relationships between pairs of concepts)
  - Azalea is to petunia as box is to crate

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### Contact Information

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