

**Alabama Math, Science,
and Technology Initiative**



Teacher Survey #01

2006/07 SCHOOL YEAR

AMSTI Teacher Survey #01

The information you provide is being collected for research purposes only and will be kept strictly confidential. Please be assured that your name and your school name will not be reported or disclosed outside of the research agencies. Public reporting burden for this collection of information is estimated to average about 10 minutes. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to the Department of Education 50 North Ripley Street PO Box 302101 Montgomery, AL 36104.

Questions regarding this survey or the research study can be directed to Lori Sterling at Lsterling@empiricaleducation.com or call Toll free 1-888-486-8886 ext. 127.

Definitions

Self-contained classroom – A classroom where the teacher teaches all or most academic subjects to the same group of students all or most of the day.

Main teaching assignment – The activity at which you spend most of your time during the school year.

Identification

1. Please identify your MASTER Site:

- Troy University
- University of Alabama at Montevallo
- University of Alabama at Tuscaloosa

2. Please identify your school system: (A system list is collected prior to beginning the surveys and displayed here as a selection list)

3. Please identify yourself: (A T list is collected prior to beginning the surveys and displayed here as a selection list)

Teaching Assignment

4. What grade level do you primarily teach?

- 3rd -4th combination
- 4th
- 5th
- 4th – 5th combination
- 6th
- 7th
- 8th
- 7th – 8th combination
- Ungraded
- Other, please specify_____

5. Which of the following categories best describes how your math and/or science classes are taught.

Mark no more than 1.

- Self-contained: Teacher teaches most subjects
- Departmentalized instruction (single-subject)
- Taught by Subject Area Specialist (non-departmental)
- Taught by another teacher at my grade level (non-departmental)
- Team-taught , please indicate the name of your partner teacher(s)

- Other, please describe

6. In what subject is your **main** teaching assignment in the current school year? Mark the box for that subject in the list below. **Mark no more than 1.**

- No main affiliation with a single subject (e.g., self-contained classroom)
- Mathematics
- Science
- Mathematics/Science
- Technology
- Language Arts/History
- History/Social Studies
- Reading/Language Arts/English
- Vocational Field
- Arts/Music
- Health/Physical Education
- Special Education
- English as a Second Language
- Foreign/World Languages
- Other, please specify:

7. In addition to your main duties, do you have any secondary teaching assignments in the current school year?

- Yes
- No

IF 'NO' SKIP TO QUESTION 9

8. Mark the subject(s) for your secondary teaching assignment(s) in the current school year in the list below. **Mark all that apply.**

- | | |
|---|--|
| <input type="radio"/> Reading/Language Arts/English | <input type="radio"/> Health/Physical Education |
| <input type="radio"/> History/Social Studies | <input type="radio"/> Special Education |
| <input type="radio"/> Mathematics | <input type="radio"/> English as a Second Language |
| <input type="radio"/> Science | <input type="radio"/> Computers or Technology |
| <input type="radio"/> Art/Music | <input type="radio"/> Foreign/World Languages |
| <input type="radio"/> Vocational Field | <input type="radio"/> Other, please specify:
<input type="text"/> |

9. How would you classify your teaching position this school year? **Mark one.**

- Full-time
- Part-time

10. Are you an AMSTI Lead Teacher? **Mark one.**

- Yes, I'm the AMSTI Lead Teacher for Math at my school.
- Yes, I'm the AMSTI Lead Teacher for Science at my school.
- No

Current Curricular Materials (this question will be asked once a month)

11a. Think back on your last two weeks (10 full school days) of instruction; what curricular materials did you use to teach mathematics? **Mark all that apply.**

- I don't teach math
- AMSTI supplied:
- Brand Y materials (principal survey will supply details of curricular materials)
- Brand Z materials
- Other _____

b. During your last two weeks, what curricular materials did you use to teach science?

Mark all that apply.

- I don't teach science
- AMSTI supplied:
- Brand Y materials (principal survey will supply details of curricular materials)
- Brand Z materials
- Other _____

Instruction (these questions will be asked once a month)

For the following questions about instructional time:

If you teach in a self-contained classroom, please indicate the number of class hours of each type of instruction.

If you teach more than one class, please indicate the average number of hours of each type of instruction among your various classes.

12. During your last two weeks, approximately how many hours did your students spend doing math and/or science activities? *Please be sure to consider all activities, including discussion, lecture, reading, watching video, hands-on activities, worksheets, and activities that integrate math or science with other subjects.*

- a. Total Hours of Math Instruction _____ [] I don't teach math.
- b. Total Hours of Science Instruction _____ [] I don't teach science.

13. Consider the following description of Inquiry-Based Instruction in which students do **all** of the following activities as part of the learning process:

- Make observations
- Pose questions
- Examine books and other sources of information to see what is already known
- Plan investigations
- Review what is already known in light of experimental evidence
- Use tools to *gather, analyze, and interpret data*

- Propose answers, explanations, and predictions
- Communicate the results

During the past two weeks, approximately how many hours of instruction involved Inquiry-Based Instruction?

- a. Hours of Inquiry-Based Math Instruction _____ [] I don't teach math
b. Hours of Inquiry-Based Science Instruction _____ [] I don't teach science

14. During the past two weeks, approximately how many hours of instruction incorporated hands-on activities?

- a. Hours of Hands-On Math Instruction _____ [] I don't teach math
b. Hours of Hands-On Science Instruction _____ [] I don't teach science

15. During the past two weeks, how many hours were your students engaged in activities that required higher-order thinking skills? (i.e., where students advance from skills such as *focusing* and *information gathering* to skills such as *integrating* and *evaluating*.)

- a. Hours of math instruction requiring higher-order thinking skills _____ [] I don't teach math.
b. Hours of science instruction requiring higher-order thinking skills _____ [] I don't teach science

Assessments (this question will be asked once a month)

16. During the past two weeks, did you administer assessments? **Check all that apply.**

a. Math Assessments

- I don't teach math
 - No, I didn't administer any math assessments
 - Yes, I used informal assessments, such as questioning and observation, to gauge student learning
 - Yes, I administered formative (i.e., assessments that occur regularly throughout the year in order to inform instruction) paper and pencil assessments
 - Yes, I administered performance-based assessments (i.e., assessing students based on their application of knowledge, skills, and work habits through the performance of tasks that are meaningful and engaging to students)
 - Yes, I administered standardized assessments
 - Other (please explain)
-

b. Science Assessments

- I don't teach science
 - No, I didn't administer any science assessments
 - Yes, I used informal assessments, such as questioning and observation, to gauge student learning
 - Yes, I administered formative (i.e., assessments that occur regularly throughout the year in order to inform instruction) paper and pencil assessments
 - Yes, I administered performance-based assessments (i.e., assessing students based on their application of knowledge, skills, and work habits through the performance of tasks that are meaningful and engaging to students)
 - Yes, I administered standardized assessments
 - Other (please explain)
-

21. So far this school year, how many times did someone actually provide support (e.g., for mentoring or coaching) with math and science instruction?

	0	1	2	3	4	5	6	7	8	9	10	11+	NA
A. AMSTI <i>Mathematics</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Non-AMSTI <i>Mathematics</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. AMSTI <i>Science</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Non-AMSTI <i>Science</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

22. Did the support you reported in Question 21 change the way you teach?

A. AMSTI <i>Mathematics</i>	<input type="checkbox"/>	Yes	<input type="checkbox"/>	NO	<input type="checkbox"/>	NA
B. Non-AMSTI <i>Mathematics</i>	<input type="checkbox"/>	Yes	<input type="checkbox"/>	NO	<input type="checkbox"/>	
C. AMSTI <i>Science</i>	<input type="checkbox"/>	Yes	<input type="checkbox"/>	NO	<input type="checkbox"/>	
D. Non-AMSTI <i>Science</i>	<input type="checkbox"/>	Yes	<input type="checkbox"/>	NO	<input type="checkbox"/>	

23. So far this year, how frequently have you had collaboration meetings with other teachers (e.g., for planning lessons) for math and science?

	Daily	At Least Weekly	At Least Monthly	Once or Twice	Never	NA
A. AMSTI <i>Mathematics</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Non-AMSTI <i>Mathematics</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. AMSTI <i>Science</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Non-AMSTI <i>Science</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

24. Has the collaboration you reported in Question 23 change the way you teach?

A. AMSTI <i>Mathematics</i>	<input type="checkbox"/>	Yes	<input type="checkbox"/>	NO	<input type="checkbox"/>	NA
B. Non-AMSTI <i>Mathematics</i>	<input type="checkbox"/>	Yes	<input type="checkbox"/>	NO	<input type="checkbox"/>	
C. AMSTI <i>Science</i>	<input type="checkbox"/>	Yes	<input type="checkbox"/>	NO	<input type="checkbox"/>	
D. Non-AMSTI <i>Science</i>	<input type="checkbox"/>	Yes	<input type="checkbox"/>	NO	<input type="checkbox"/>	

25. How many of the hours reported in Question 17 were spent in training sessions other than summer institutes, support, or collaboration meetings (e.g., school training sessions held after school, on the weekend, or early release days)?

	0	5	10	15	20	25	30	35	40	45	50	60	90	120	180	NA
A. AMSTI <i>Mathematics</i> Total Hours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Non-AMSTI <i>Mathematics</i> Total Hours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. AMSTI <i>Science</i> Total Hours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Non-AMSTI <i>Science</i> Total Hours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

26. Did the training session(s) you reported in Question 25 change the way you teach?

A. AMSTI <i>Mathematics</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> NO	<input type="checkbox"/> NA
B. Non-AMSTI <i>Mathematics</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> NO	<input type="checkbox"/>
C. AMSTI <i>Science</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> NO	<input type="checkbox"/>
D. Non-AMSTI <i>Science</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> NO	<input type="checkbox"/>

Planning Time (these questions will be asked once a month)

27. During the past two weeks, how many hours (both paid time and unpaid time) did you spend planning your math and/or science lessons?

- a. Math ____ [] I don't teach math
- b. Science ____ [] I don't teach science

28. How much *paid* time do you receive each week for planning all of your lessons (include time for planning math, science, and everything else you teach)? _____

Additional Information

29. Is there anything else you would like us to know about your math and/or science program or about this survey?
