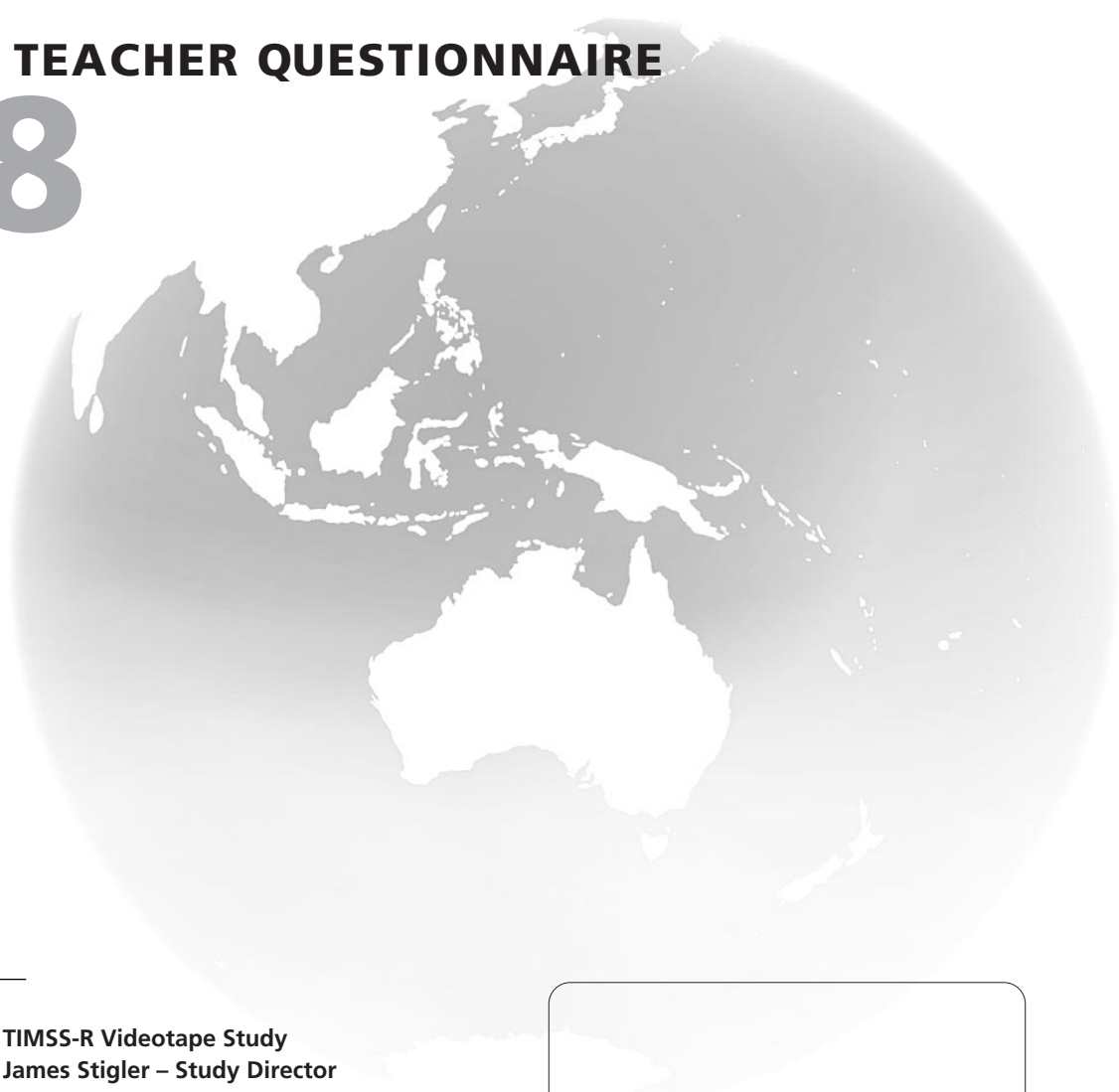




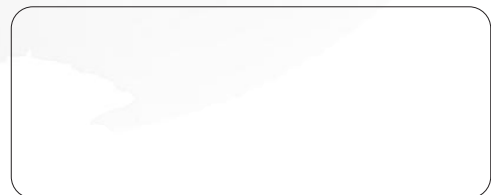
TIMSS R

V I D E O S T U D Y

SCIENCE TEACHER QUESTIONNAIRE GRADE 8



TIMSS-R Videotape Study
James Stigler – Study Director
LessonLab, Inc.
12436 Santa Monica Blvd.
Los Angeles, CA 90025



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Directions



- Please fill out this questionnaire as soon **as possible after the videotaping is completed** preferably **on the same day as the videotaping**.

- Please include a copy of your lesson plan or notes for the videotaped lesson if available (see **Question 5**)

- **Include a copy of your lesson or unit assessment** (e. g., test, quiz, report or portfolio guidelines) with your questionnaire (**See Question 20**).



- Mail the completed questionnaire, your lesson plan (or notes), and your unit assessment in one of the envelopes provided as soon as possible.

- If you will not have a lesson or unit assessment ready until later, send the questionnaire **NOW** in one envelope, and send the assessment later in the second envelope.

- Your payment will be sent upon receipt of the materials.

Organization of the Questionnaire



This questionnaire is divided into 7 sections, which ask about:

A. THE VIDEOTAPED LESSON

The lesson we videotaped and the students in this classroom

B. THE LARGER UNIT

How this lesson fits into a larger unit or sequence of lessons

C. HOW TYPICAL?

How this lesson was typical or not of what usually happens in your classroom



D. YOUR IDEAS ABOUT TEACHING

The ideas that influence and guide your science teaching

E. YOUR BACKGROUND

Your teaching and educational background and teaching load



F. YOUR SCHOOL

Demographic data about your school

G. ATTITUDES

Your attitudes about science teaching



SCIENCE TEACHER QUESTIONNAIRE GRADE 8

Thank you for participating in this study. Both the videotape and the questionnaire will be used only for research purposes, unless you have signed an agreement that states otherwise. All persons with access to this information will be licensed to protect your privacy.

Thank you for your careful attention to this questionnaire. We appreciate the time you are taking to help us better understand science teaching.

Your name: _____ Male Female

School's name: _____ Date: _____

Name of videotaped course: _____

City/State: _____

Number of times videotaped class meets each week: _____

For how long? _____ minutes per meeting.

Grade level(s) of students in videotaped class: _____

of girls enrolled in class: _____

of boys enrolled in class: _____

(Write zero if there are none for that sex)

Phone number where we can reach you should any questions arise () _____

Best time of day to call you _____ AM / PM

E mail address: _____

A The Videotaped Lesson

1. Please describe the **subject matter content of the videotaped lesson**. *Check as many as apply.*

NOTE: Use the lines to provide more detail about the subject matter content for this lesson.

1. Earth and Space Science: _____

2. Life Science: _____

3. Health: _____

4. Physical Science: _____

5. Nature of Science: (understanding about the scientific enterprise, how science works, scientists at work)

6. Scientific Inquiry: (learning to do science inquiry, learning scientific habits of mind) _____

7. Technology: (understanding about technology, learning to do drafting? Graphics? work. Please be more specific.) _____

8. History of Science and/or History of Technology: _____

9. Societal issues: (e. g., pollution, food and world population, genetic testing) _____

10. Integrated Science: (e. g., integration of chemistry and life sciences in a study of plants)

11. Interdisciplinary Curriculum—Science and another discipline: (e. g., science and social studies, science and mathematics) _____

12. Other: _____

2. Which of the following played a role in your **decision to teach this content**?

NOTE: Please check one item in each row.

	No Role	Small Role	Major Role
a. National, State, District, or School curriculum guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. External examinations or standardized tests	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Mandated textbook for your grade level	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Your comfort with or interest in the content	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Your personal assessment of the students' interests or needs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Collaborative work with other teachers or consultants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. If you marked "Major role" for choice (a) in question 2 above, please list the curriculum guidelines or documents that you use: _____

4. To what extent did you use the following when **planning this lesson**,
(not necessarily materials you used during the lesson)...

	Not At All	A Little	Some	Quite A Lot	A Great Deal
a. A lesson plan that you had prepared and used before	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Lesson or unit plans developed by other educators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Lesson you planned in collaboration with other teachers or science specialists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Student textbook	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Teacher's Guide version of textbook	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Replacement unit teacher guides (e.g., kits, modules, activity manuals)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Resource books (e.g., trade books, reference books, other texts)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Multimedia resources (video, laser disc, TV, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. The Internet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Ideas from a workshop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Knowledge about your students' interests, thinking, or difficulties	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. Local curriculum guidelines (e.g., school, district)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. State or national curriculum guidelines or standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. External examinations or standardized tests	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o. Other (please describe) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. For us to understand the videotaped lesson, we need to know which ideas and skills had been previously taught to this class and which were new. For each idea or skill taught in the videotaped lesson, please indicate whether it was:

- **Mainly review**
- **Mainly new**

If you need more space, continue on the back of the paper. **Please Note:** If you have a written lesson plan or notes for the videotaped lesson, we would like a copy. Please enclose a copy in the envelope provided for return of the questionnaire.

Ideas and skills in videotaped lesson that were *mainly review to students*

Ideas and skills in videotaped lesson that were *mainly new to students*

6. What was the **main thing you wanted students to learn** from the videotaped lesson?

7. Are you satisfied that the videotaped lesson achieved that purpose? YES NO
Explain why you were or were not satisfied.

8. Think about how you taught **the videotaped lesson** compared to how you would **ideally like to teach this lesson**. To what extent did any of the following **limit you** from reaching your ideal in this lesson?

	Not At All	A Little	Some	Quite A Lot	A Great Deal	Do Not Apply
a. Official curricular guidelines and/or standardized tests	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Requirements to teach many topics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Insufficient student motivation or readiness to learn.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Class size (If a limitation please describe nature of limitation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<hr/>						
e. Insufficient time for lesson planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Insufficient time to work with colleagues on lessons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Not enough books (textbooks, trade-books, reference books, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Insufficient class time to finish what I planned to teach	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Lack of or obsolete computers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Lack of appropriate software for computers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Lack of needed instructional equipment (VCR, microscopes, overhead projection equipment, carts, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. Lack of needed multimedia materials (videotapes, transparency sets, slides, laser discs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. Insufficient science teaching materials and supplies, hands-on materials (such as seeds, magnets, chemicals, flashlights, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. Inadequate physical facilities (room size, room layout, furniture, preparation room, teacher office space, storage space, sinks, electrical outlets, gas jets, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o. Insufficient training or support for using new technologies in your classroom.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p. Presence of the video-camera and videographer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. How long did you spend planning for **the videotaped lesson**? _____ minutes

9b. How long do you usually spend planning for this type of science lesson? _____ minutes

10. Did your students work in groups for any part of the videotaped lesson? YES NO

11. If yes, please describe the basis by which students were assigned to groups (e.g., academic ability level, gender, student choice, other). _____

12. Think about the availability of the following items at your school. To what extent do you have sufficient access to these items for use in your science classroom?

	Enough	Too Few or Little	Not At All
a. Computers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Computer software	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Computers with internet connections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. A/V equipment (TV, VCR, overhead projectors)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Teaching supplies/materials (e.g. chemicals, magnets, rulers)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Microscopes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Science laboratory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Reference materials (books, journals, magazines)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13. Do all students in the school take this course? YES (skip to 15) NO

14. If **no**, is curriculum in this course more challenging or less challenging than the typical 8th grade science course in this school? Mark one of the three choices below:

More challenging A typical 8th grade curriculum Less challenging

15. Did you previously assign science homework that was due for the day of the videotaped lesson?

YES NO (skip to 19)

16. Please describe **what students were expected to do** for this homework.

17. Was the assigned homework related to this lesson or to the prior lesson?

The videotaped lesson Prior lesson Both

18. How long would it have taken the typical student in your class to complete this homework?

_____ minutes.

19. Will students be formally evaluated on the material they studied in the videotaped lesson (e.g., a quiz, unit test, project, etc.)?

YES NO

20. **If yes, how** will they be assessed? (Also, please enclose a copy of the assessment you will use for the lesson or unit. Enclose this assessment in the return envelope).

B The Larger Unit or Sequence of Lessons

21. Was the videotaped lesson planned as part of a larger unit or sequence of related lessons, or was it a stand-alone lesson?

Stand-alone lesson Part of a unit or sequence
(If stand-alone, explain why in space below then skip to 26)

22. Describe the unit or sequence of lessons with a short phrase or title:

23. What is the main thing(s) you want students to learn **from the whole unit or sequence of lessons**?

24. Approximately how many lessons are in the entire sequence or unit? _____

25. Where did the videotaped lesson fall in the sequence or unit (e.g., number 3 out of 5)? _____

26. To help us understand what we will see on the videotape, please provide information about the videotaped lesson and about the 2 lessons before and 2 lessons after the videotaped lesson.
- Please describe the main thing you wanted students to learn from the lesson
 - Please choose 1 or 2 words that most teachers in your country use to describe each **type of lesson**. (e. g. review lesson, introductory lesson, etc.)

	Main thing you wanted students to learn from the lesson	Type of lesson
2 Lessons Before	_____	_____
	_____	_____
1 Lesson Before	_____	_____
	_____	_____
Videotaped Lesson	Do Not Fill In This Box	_____

1 Lesson After	_____	_____
	_____	_____
2 Lessons After	_____	_____
	_____	_____

C How Typical Was The Videotaped Lesson?

27. For this study, we are interested in capturing your typical science teaching. It is important for us to know in what ways the teaching in the videotaped lesson might not have been typical.

How often do you use the teaching methods that are in the videotaped lesson?

- Seldom
- Sometimes
- Often
- Almost always

28. What, if anything, was **different** in the videotaped lesson from how you **normally teach**?

29. How would you describe your students' behavior and participation during the videotaped lesson?

- Better than usual
- About the same as usual
- Worse than usual

30. What, if anything, was **different** about the nature of the **students' behavior and the amount of student participation** during the videotaped lesson? Briefly describe any differences.

31. Was the content of the videotaped lesson more difficult for your students than usual, about the same, or less difficult than usual?

- More difficult for students than most lessons
- About the same as most lessons
- Less difficult for students than most lessons

32. Do you think that having the camera present caused you to teach a lesson that was better than usual, worse than usual, or about the same as usual?

- Better than usual
- About the same as usual
- Worse than usual

D Ideas That Guide Your Teaching

33. List the three most important things you would like your students to learn from studying science **this year**.

1. _____
2. _____
3. _____

34. In general, I feel comfortable trying new techniques for teaching science in my classroom.

- I agree
- No opinion
- I disagree

35. In general, I feel I keep up with current ideas in science teaching and learning.

- I agree
- No opinion
- I disagree

36. How do you usually hear about current ideas about the teaching and learning of science?

37. What written materials are you aware of that describe current ideas about the teaching and learning of science? Please list up to three, and indicate whether you personally have read each one.

_____ I have read: all of it
 most of it
 some of it
 none of it

_____ I have read: all of it
 most of it
 some of it
 none of it

_____ I have read: all of it
 most of it
 some of it
 none of it

38. To what extent do you feel that the videotaped lesson is in accord with current ideas about the teaching and learning of science?

- A lot
- A fair amount
- A little
- Not at all (skip to 41)

39. Please describe one part of the videotaped lesson that you **feel exemplifies current ideas about the teaching and learning of science** and **explain why** you think it exemplifies these ideas.

40. As part of professional development activities, how often in the past year **has a teacher colleague observed you** teaching an entire science lesson? (do not include observations made in team teaching situations or as part of a formal evaluation).

- a. Never
- b. Once or twice
- c. Every other month
- d. Once a month or more

41. As part of professional development activities, how often in the past year have **you observed a teacher colleague** teaching an entire science lesson? (do not include observations made in team teaching situations or as part of a formal evaluation).

- a. Never
- b. Once or twice
- c. Every other month
- d. Once a month or more

E Your Teaching Background and Teaching Load

42. What was the highest level of formal education you have completed?

- Teacher training without completing high school
- High school
- High school with 1 or 2 years of teacher training
- High school with 3 or 4 years of teacher training
- BA or equivalent with no teacher training
- BA or equivalent with teacher training
- Masters or doctoral degree with no teacher training
- Masters or doctoral degree with teacher training

43. In what subject areas and grade levels are you certified to teach?

Subjects	Grade level
<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>

44. What was your undergraduate major field of study? _____
45. What was your undergraduate minor field of study (if any)? _____
46. What was your major field of study in graduate school? _____
47. What was your minor field of study in graduate school (if any)? _____
48. Counting this school year, how many years in total have you been teaching?
(include part-time teaching, but not substitute teaching) *Please round to the nearest whole number.*
_____ years
49. Counting this year, how many years in total have you taught science?
(include part-time teaching, but not substitute teaching) *Please round to the nearest whole number.*
_____ years
50. During the last two years, how many college or university courses have you taken in science or science education? (Check one letter.)
- a. None
 - b. One
 - c. Two
 - d. Three
 - e. Four or more
51. During the last two years, have you participated in professional development activities or taken courses in any of the following? (Check **all** letters that apply.)
- a. Use of technology, such as computers
 - b. Science instructional techniques
 - c. Cooperative group instruction
 - d. Interdisciplinary instruction
 - e. Teaching higher-order thinking skills
 - f. Teaching students from different cultural backgrounds
 - g. Teaching limited English proficient students
 - h. Teaching students with special needs (eg. visually impaired, gifted and talented)
 - i. Standards-based teaching
 - j. Classroom management and organization
 - k. Other professional issues
 - l. None of the above

52. In a typical week, I spend:
- a. _____ Hours at school teaching science classes. Titles of science classes: _____

 - b. _____ Hours at school teaching other classes. Titles of other classes: _____

 - c. _____ Hours at school meeting with other teachers to work on curriculum and planning issues.
 - d. _____ Hours at school doing work related to teaching science
(e.g., lesson planning, grading papers, etc.).
 - e. _____ Hours at home doing work related to teaching science
(e.g., lesson planning, grading papers, etc.).
 - f. _____ Hours at home or school doing other school-related activities.

F Questions About Your School

53. List the grade levels that are taught in this school: _____

54. **THIS QUESTION WILL VARY BY COUNTRY:** What type of school is this?

BELOW IS U. S. VERSION OF 54:

Identify any special status or purpose of your school: **Check as many as apply.**

- Academic accelerated school
- Vocational school
- Magnet school (Describe type): _____
- Charter school
- Partnership with a university (such as a professional development school)
- Laboratory School
- School within a school
- Religious or sectarian school
- Private (non-religious) school
- Single sex school
- Other (Please describe): _____

55. How are students admitted to this school? (e.g., neighborhood residence, entrance test, lottery, all who want to come, other)? _____

56. Approximately how many science teachers are in this school this year? _____

G Attitudes About Teaching

57. Please respond to each statement:

	Strongly Agree	Some-what Agree	Some-what Disagree	Strongly Disagree
a. I have adequate materials and facilities to support my teaching of science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. I actively pursue opportunities to learn how to improve my science teaching.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. I especially prefer teaching low-ability students.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. My work as a science teacher is appreciated by my teacher colleagues.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Girls in this school are not encouraged to develop a science interest.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. If I had to choose I would become a teacher again.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. I have a strong science background in the subject areas I teach.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. I am often impressed with the quality of thinking my students can do.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. I prefer to teach a class that has students of all different ability levels.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. I am enthusiastic about teaching science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. I do not like to watch TV programs about new developments in science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. I enjoy students' questions about science even when I do not know the answer.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. My work as a science teacher is appreciated by my students' parents.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. I read journals and books about science teaching.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o. I enjoy teaching students of this age level.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p. I do not pursue science interests or issues in my personal life.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
q. I especially prefer teaching high-ability students.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
r. Teaching science is rewarding work.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
s. The number of students in my class is not appropriate to support good science teaching and learning.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
t. I do not have adequate opportunities during the school day to collaborate with colleagues about science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
u. I am proud of the quality of my teaching.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
v. I enjoy working with colleagues about science curriculum and teaching, even if it means after-school meetings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
w. Teaching science is hard work.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
x. I teach in an environment where I do not feel physically safe.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
y. I enjoy attending science teacher conferences to learn about new ideas in science teaching.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
z. My work as a science teacher is appreciated by my students.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
aa. My work as a science teacher is not appreciated by administrators.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
bb. I work hard to get girls involved in science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

THANK YOU!!!

for your cooperation and thoughtfulness

Please put this questionnaire, your lesson plan or notes for the videotaped lesson, and your lesson or unit assessment in the mailing envelope and return it as soon as possible.