

STS in Science Cafes Assessment Tool

NSF Award #1611953

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Notes:

1. This is a list of all potential questions. Not all questions will be presented to survey participants
2. The open-ended inquiry/prompt following each potential question may or may not be included in the survey presented to participants,
3. The font design, size and attributes (e.g. italic, bold, ink color, etc.) may be presented differently than documented below.

Connecting with the STS scholar tonight changed my view of what scientists' work is like.

1	2	3	4	5	6	7
Strongly Disagree			Neutral			Strongly Agree

How so?

From your interaction with tonight's STS scholar, list 2 things you learned that are new or surprising about how scientists do their work.

1)

2)

It is good to try experiments more than once to make sure of your findings.

1	2	3	4	5	6	7
Strongly Disagree			Neutral			Strongly Agree

Why?

Good scientific answers are based on evidence from many different experiments.

1	2	3	4	5	6	7
Strongly Disagree			Neutral			Strongly Agree

Why do you say that?

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It is good to have an idea before you start an experiment.

1	2	3	4	5	6	7
Strongly Disagree			Neutral			Strongly Agree

Why do you say that?

Ideas about science experiments come from being curious and thinking about how things work.

1	2	3	4	5	6	7
Strongly Disagree			Neutral			Strongly Agree

Why do you say that?

In science, there can be more than one way for scientists to test their ideas.

1	2	3	4	5	6	7
Strongly Disagree			Neutral			Strongly Agree

Why do you say that?

A good way to know if something is true is to do an experiment.

1	2	3	4	5	6	7
Strongly Disagree			Neutral			Strongly Agree

Why do you say that?

Ideas in science can come from your own questions and experiments.

1	2	3	4	5	6	7
Strongly Disagree			Neutral			Strongly Agree

Why do you say that?

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With the same background knowledge, two scientists can develop the same theory independently of each other. The scientist's individuality does NOT influence the content of a theory.

Option one: To what extent do you agree with these statements?

1	2	3	4	5	6	7
Strongly Disagree			Neutral			Strongly Agree

Why do you say that?

Option one 2: What do you believe?

1	2	3	4	5	6	7
The scientist's individuality will NOT influence the content of a theory.			Neutral			A scientist's individuality <b>WILL</b> influence the content of a theory.

Why?

Scientific observations made by competent scientists will usually be different if the scientists believe different theories.

1	2	3	4	5	6	7
Strongly Disagree			Neutral			Strongly Agree

Why do you say that?

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Before tonight, where would you have placed your interest level in the night's topic?  
or variations of this questions that are more specific to the exact content of the STS cafe – e.g.

Before tonight, where would you have placed your interest level in science history?

or

Before tonight, where would you have placed your interest level in synthetic biology?

or

Before tonight, where would you have placed your interest level in the history of synthetic biology?

1	2	3	4	5	6	7
Zilch						Crazy High

And Now?

1	2	3	4	5	6	7
Zilch						Crazy High

Science-wise, how do you classify yourself?

Please select JUST ONE category.

- |  |  |
|--|--|
| <input type="checkbox"/> Not really that into science    | <input type="checkbox"/> Science enthusiast                          |
| <input type="checkbox"/> Student ( <i>matriculated</i> ) | <input type="checkbox"/> Science degreed, but not a scientist        |
| <input type="checkbox"/> Scientist                       | <input type="checkbox"/> Educator (teacher, librarian, museum, etc.) |

Among the below, how do you classify yourself?

- |  |   |
|--|---|
| <input type="checkbox"/> Without a physical disability | <input type="checkbox"/> With a physical disability |
|--|---|

Among the below, how do you classify yourself?

(You are welcome to select more than one category.)

*Optional phrasing that may or may not follow the above question: “(We ask because The National Science Foundation is keen for us to report this data.)” Side Note: not all attendees and questionnaire respondents will be American citizens.*

- American Indian, Native American, or Alaska Native
- Asian (East, Central, North, South and Southeast) or Asian-American
- Black, African, African American, or Negro
- Native Hawaiian or Pacific Islander
- White or Caucasian
- Other \_\_\_\_\_

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Are you Hispanic or Latino?

\_\_\_\_\_ Yes      \_\_\_\_\_ No

How many candles should have been on your last Birthday Cake?

_____ 18 to 20	_____ 41 to 50	_____ 71 to 80
_____ 21 to 30	_____ 51 to 60	_____ 81+
_____ 31 to 40	_____ 61 to 70	_____ Other