

Introduction

Thank you for taking the Teaching to Learn Science Attitudes Survey.

The survey contains three sections with a total of 35 multiple choice questions.

Background Information (8 questions)

Attitudes Towards Science (1 question with 6 items)

Beliefs about the Nature of Science (5 questions, each with 4-5 items)

There are no right or wrong answers. Pick the answers that best describe you or your beliefs.

Part I: Background Information

* 1. Please enter your UNIQUE PROJECT ID from your consent form.

* 2. What is your gender?

- Other/ Does not Apply
- Female
- Male

3. Are you of Hispanic or Latino origin or descent?

- Yes, Hispanic or Latino
- No, not Hispanic or Latino

4. Which race/ethnicity best describes you? (Please choose all that apply.)

- American Indian or Alaskan Native
- Asian / Pacific Islander
- Black or African American
- Hispanic American
- White / Caucasian

* 5. What is the highest level of education of your...

	Unknown or not applicable	Some high school	GED	High school	Some college, but no degree	Associates or other 2- year college degree	Bachelors or other 4- year college degree	Masters degree	Doctorate or Professional degree
Mother/female guardian?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Father/male guardian?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* 6. Below please list your declared or intended majors or concentrations. You may list up to three. If you have no declared or intended major, enter "UNDECIDED" in the first box.

Major/Concentration One

Major/Concentration Two

Major/Concentration
Three

* 7. How interested are you in.....

	Very Interested	Somewhat Interested	Neutral	Mostly Not Interested	Not at all Interested
Hearing about new scientific discoveries in the news?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A career in teaching?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A career in science?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Part II: Attitudes Towards Science

* 8. Read each statement below and select the answer that best describes your attitude toward the statement.

	False	Mostly False	More False than True	More True than False	Mostly True	True
Compared to others my age, I am good at science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I get good grades in science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Work in science classes is easy for me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I'm hopeless when it comes to science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I learn things quickly in science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have always done well in science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Part III: Beliefs About Science

* 9. Read each statement below and select your level of agreement with the statement.

Strongly Disagree Sort of Disagree Note Sure Sort of Agree Strongly Agree

The primary reason for learning mathematics is to learn skills for doing science.

Getting the correct answer to a problem in the science classroom is more important than investigating the problem in a scientific manner.

In Grades K–9, truly understanding science in the science classroom requires special abilities that only some people possess.

Science is a constantly expanding field.

Theories in science are rarely replaced by other theories.

* 10. Read the following statements and indicate your level of agreement.

Strongly Disagree Sort of Disagree Note Sure Sort of Agree Strongly Agree

To understand science, students must solve many problems following examples provided.

The use of technologies (e.g., calculators, computers) in science is an aid primarily for slow learners.

Science consists of unrelated topics such as biology, chemistry, geology, and physics.

The primary reason for learning science is to provide real-life examples for learning mathematics.

Part III: Beliefs About Science

* 11. Please indicate your level of agreement with each statement.

Strongly Disagree Sort of Disagree Not Sure Sort of Agree Strongly Agree

Some scientific statements about phenomena are not based on direct observations of the natural world, but instead are based on inferences and indirect evidence.

Observations of nature are not neutral but are motivated and guided by questions or problems that are derived from certain theoretical perspectives.

There is no single sequence of activities (such as the "Scientific Method") that scientists use to generate valid solutions or answers to scientific questions.

Scientists may interpret the same data differently because of the way they learn and think and because of their prior knowledge.

Part III: Beliefs About Science

* 12. For each of the following statements, choose your level of agreement with the statement.

Strongly Disagree Sort of Disagree Not Sure Sort of Agree Strongly Agree

Scientific knowledge involves making observations of nature.

Scientists use their creativity and imagination while they are collecting and interpreting data gained from scientific investigations.

Scientists and scientific research are affected by the religious or ethical views of the culture where the work is done.

Many scientific models used in research laboratories (such as the model of heat, the neuron, DNA, or the atom) are copies of reality.

* 13. Please indicate your level of agreement with the following statements

Strongly Disagree Sort of Disagree Not Sure Sort of Agree Strongly Agree

There is a recipe-like set of steps that scientists follow, often called "The Scientific Method."

Scientific laws start as theories and eventually become laws after repeated and proven demonstration.

Science does not rely solely on empirical evidence.

Scientific knowledge is universal, and does not change from one place to another.

FINISH

Thank you for participating in this survey. You may now close your browser.