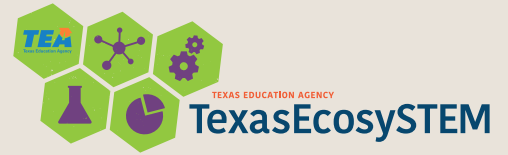


STEM (Science, Technology, Engineering and Math) Program Teacher Survey Sample Questions



These sample statements can be used to create customized surveys at the local level to assess students' interest in STEM. Copy and paste statements into the survey tool of your choice. The statements below have been grouped for your convenience. The statements below are designed to be used with a Likert Scale like the one below.

Strongly Agree

Agree

Disagree

Strongly Disagree

SAMPLE FAMILY SURVEY STATEMENTS

ENGINEERING PROFESSIONAL DEVELOPMENT AND INSTRUCTIONAL SUPPORT

I know the steps necessary to teach the Engineering Design Process.

I am confident that I can teach engineering effectively.

I have received professional development that has prepared me to teach STEM Integrated Thinking (using content and technology to solve problems).

STEM professional development opportunities are regularly provided to teachers on my campus.

STEM professional development is available for all teachers on my campus.

I receive support/instructional coaching on my STEM instruction.

STEM FLUENCY SKILLS

I believe it is necessary for all students to learn STEM Fluency Skills (communication, creativity, collaboration, critical thinking, resilience, time management, adaptability, innovation).

I believe STEM instruction develops STEM Fluency Skills (communication, creativity, collaboration, critical thinking, resilience, time management, adaptability, innovation).

I believe all students are capable of STEM Integrated Thinking (using content and technology to solve problems).

I believe it is important for students to be able to critique the reasoning of others.

STEM INTEGRATION INTO CONTENT

The STEM curriculum at my campus is multidisciplinary.

STEM education should be "holistic", i.e. it should be an overarching methodology.

STEM education should be integrated within my school vision and policy.

STEM lessons at my school integrate all STEM (science, technology, engineering and math) fields.

I am comfortable integrating technology in my classroom.

STEM INSTRUCTIONAL METHODS AND PROCESSES

I can use mathematics and computational thinking in my STEM instruction.

I will continually find better ways to teach STEM content.

I know how to choose effective teaching approaches to guide students' learning and thinking.

I am familiar with common student understandings and misconceptions of the STEM content I am teaching.

Technology is used throughout my STEM program as a tool to facilitate research, investigation, and design.

STEM RELEVANCE

I can create a classroom setting to promote students' interest for learning STEM concepts.

I believe completing activities with a real-world context increases relevance for students.

Students are regularly challenged by complex problems related to real world scenarios.

I believe it is important for students to learn about careers related to the instructional content.

I know about current STEM careers.

Students at our campus are regularly involved with math, science, engineering or career and technical education (CTE) competitions.

EQUITY AND ACCESS

I believe that all students are capable of exceling in STEM education, regardless of gender, race, or ethnicity.

I believe it is necessary for all students to learn STEM Fluency Skills (communication, creativity, collaboration, critical thinking, resilience, time management, adaptability, innovation).

I believe all students should receive STEM instruction, not just students in specialized programming (e.g., gifted and talented).

CAMPUS CULTURE

I believe my campus administrator values a STEM integrated approach to teaching content.

I feel supported by my administrator to teach content with a STEM integrated approach.

Our campus measures student achievement in STEM integrated subjects.

The time spent on STEM education should be increased at my campus.