STEM-IC Survey (Grades 4-12)

This two-part questionnaire is designed to assess your interest in STEM and STEM careers. It should require about 2 minutes of your time. Usually it is best to respond with your first impression, without giving a question much thought. Your answers will remain confidential.

ID: _____   Assign a unique ID to each student and use this same id for the pre and post survey.

School: _____

Instructions: Choose one circle between each word or phrase pair to indicate how you feel about the statement.

Science, technology, engineering, or mathematics (is):

		①	②	③	④	⑤	⑥	⑦	
1.	Easy for me	①	②	③	④	⑤	⑥	⑦	Hard for me
2.	Something I enjoy very much	①	②	③	④	⑤	⑥	⑦	Something that I dislike
3.	Makes me feel tense	①	②	③	④	⑤	⑥	⑦	Makes me feel relaxed
4.	Of little importance	①	②	③	④	⑤	⑥	⑦	Of great importance
5.	Helpful in solving everyday problems	①	②	③	④	⑤	⑥	⑦	Useless in everyday life

To me a CAREER in science, technology, engineering, or mathematics (is):

		①	②	③	④	⑤	⑥	⑦	
6.	Desirable	①	②	③	④	⑤	⑥	⑦	Undesirable
7.	Means nothing	①	②	③	④	⑤	⑥	⑦	Means a lot
8.	Boring	①	②	③	④	⑤	⑥	⑦	Interesting
9.	Exciting	①	②	③	④	⑤	⑥	⑦	Unexciting
10.	Fascinating	①	②	③	④	⑤	⑥	⑦	Ordinary

To be successful:

		①	②	③	④	⑤	⑥	⑦	
11.	Learning STEM subjects is not necessary	①	②	③	④	⑤	⑥	⑦	Learning STEM subjects is necessary
12.	Understanding science is important	①	②	③	④	⑤	⑥	⑦	Understanding science is not important
13.	Understanding technology is useful	①	②	③	④	⑤	⑥	⑦	Understanding technology is useless
14.	Understanding engineering is valuable	①	②	③	④	⑤	⑥	⑦	Understanding engineering is insignificant
15.	Understanding mathematics is trivial	①	②	③	④	⑤	⑥	⑦	Understanding mathematics is crucial

Literacy-IC Survey (Grades 4-12)

This two-part questionnaire is designed to assess your interest in Literacy and Literacy careers. It should require about 2 minutes of your time. Usually it is best to respond with your first impression, without giving a question much thought. Your answers will remain confidential.

ID: _____ Use the year and day of your birthday (ex 0225 if born on the 25th day of any month in 2002.

School: _____

Instructions: Choose one circle between each word or phrase pair to indicate how you feel about the statement.

Reading and writing (is):

		①	②	③	④	⑤	⑥	⑦	
1.	Is easy for me	①	②	③	④	⑤	⑥	⑦	Is too hard for me
2.	Something I enjoy very much	①	②	③	④	⑤	⑥	⑦	Something that I dislike
3.	Makes me feel tense	①	②	③	④	⑤	⑥	⑦	Makes me feel relaxed
4.	Of little importance	①	②	③	④	⑤	⑥	⑦	Is of great importance
5.	Helpful is solving everyday problems	①	②	③	④	⑤	⑥	⑦	Useless in everyday life

To me a CAREER that involves reading and writing (is):

		①	②	③	④	⑤	⑥	⑦	
6.	Desirable	①	②	③	④	⑤	⑥	⑦	Undesirable
7.	Means nothing	①	②	③	④	⑤	⑥	⑦	Means a lot
8.	Boring	①	②	③	④	⑤	⑥	⑦	Interesting
9.	Exciting	①	②	③	④	⑤	⑥	⑦	Unexciting
10.	Fascinating	①	②	③	④	⑤	⑥	⑦	Ordinary

To be successful:

		①	②	③	④	⑤	⑥	⑦	
11.	Reading is important	①	②	③	④	⑤	⑥	⑦	Reading is of little importance
12.	Evaluating reading is an optional skill	①	②	③	④	⑤	⑥	⑦	Evaluating reading is a necessary skill
13.	Critique of my writing is trivial	①	②	③	④	⑤	⑥	⑦	Critique of my writing is crucial
14.	Reading the work of expert writers is useful	①	②	③	④	⑤	⑥	⑦	Reading the work of expert writers is useless
15.	communicating through reading and writing is valuable	①	②	③	④	⑤	⑥	⑦	communicating through reading and writing is insignificant

Science-ISCD Survey (Grades preK-3)

This two-part questionnaire is designed to assess your interest in STEM and STEM careers. It should require about 2 minutes of your time. Usually it is best to respond with your first impression, without giving a question much thought. Your answers will remain confidential.

ID: _____   Assign a unique ID to each student and use this same id for the pre and post survey.

School: _____

Instructions: Choose one circle between each word or phrase pair to indicate how you feel about the statement. (NOTE: The teacher may read the statements aloud, especially for younger children)

How often do you feel about each statement?		Always	Sometimes	Never
1.	I want to be a scientist when I grow up	☺	😐	☹
2.	Science is good for everybody	☺	😐	☹
3.	Lots more money should be spent on science	☺	😐	☹
4.	You have to be smart to do science	☺	😐	☹
5.	Science is just too difficult	☺	😐	☹
6.	Science makes life better by creating new things	☺	😐	☹
7.	Our food is safer thanks to science	☺	😐	☹
8.	School science clubs are a good idea	☺	😐	☹
9.	Science makes me think	☺	😐	☹
10.	I always read about science	☺	😐	☹
11.	I like to be given science items presents	☺	😐	☹
12.	I like to watch science programs on TV	☺	😐	☹
13.	We do too much science in school	☺	😐	☹
14.	We have to do too much work in science	☺	😐	☹
15.	We have to do too much writing in science	☺	😐	☹

Science Enthusiasm. This scale measures student enthusiasm for science.
Items:
1. (+)
8. (+)
10. (+)
11. (+)
12 (+)

Social Context. This scale measures student perceptions of science as a social endeavor.
Items:
2. (+)
3. (+)
6. (+)
7. (+)
9   (+)

Difficult Subject. This scale measures student perceptions of the difficulty of science.
Items:
4. (–)
5. (–)
13. (–)
14. (–)
15 (–)

Literacy-ISCD Survey (Grades preK-3)

This two-part questionnaire is designed to assess your interest in STEM and STEM careers. It should require about 2 minutes of your time. Usually it is best to respond with your first impression, without giving a question much thought. Your answers will remain confidential.

ID: _____   Assign a unique ID to each student and use this same id for the pre and post survey.

School: _____

Instructions: Choose one circle between each word or phrase pair to indicate how you feel about the statement. (NOTE: The teacher may read the statements aloud, especially for younger children)

How often do you feel about each statement?		Always	Sometimes	Never
1.	I want to be a writer when I grow up	☺	😐	☹
2.	I like to talk to my friends about what I read	☺	😐	☹
3.	Lots more money should be spent on books and magazines	☺	😐	☹
4.	You have to be smart to read and write	☺	😐	☹
5.	Reading and writing are too hard	☺	😐	☹
6.	Reading and writing make things easier to understand	☺	😐	☹
7.	I know more because I can read and write	☺	😐	☹
8.	School book clubs are a good idea	☺	😐	☹
9.	Reading and writing makes me think	☺	😐	☹
10.	I like to read in my free time	☺	😐	☹
11.	I like books as a present	☺	😐	☹
12.	I like to write my own stories	☺	😐	☹
13.	We do too much reading in school	☺	😐	☹
14.	We have to do too much work in reading groups	☺	😐	☹
15.	We have to do too much writing in school	☺	😐	☹

Literacy Enthusiasm. This scale measures student enthusiasm for reading and writing.
Items:
1. (+)   11. (+)
8. (+)   12 (+)
10. (+)

Social Context. This scale measures student perceptions of literacy as a social endeavor.
Items:
2. (+)   7. (+)
3. (+)   9   (+)
6. (+)

Difficult Subject. This scale measures student perceptions of the difficulty of reading and writing.
Items:
4. (−)   14. (−)
5. (−)   15   (−)
13. (−)