

Modified Attitudes Towards Science Inventory

Demographic Data

Please tell us your Age, Gender, and Race/ Ethnicity, and your science teacher=s gender. Note that your name will **not** appear anywhere on the survey or answer sheet.

1. Age

- 8 years old
- 9 years old
- 10 years old
- 11 years old
- 12 years old

2. Gender

- Male
- Female

3. Race

- African American/ Black
- Caucasian/ White
- Asian American
- Hispanic/ Latino
- Multi Racial
- Other _____

4. Ethnic Identity

- African American/ Black
- Caucasian/ White
- Asian American
- Hispanic/ Latino
- Multi Racial
- Other _____

5. First Language

- English
- Spanish
- French
- Japanese
- Chinese
-
- Other _____

6. Years in the US

- less than 1
- 1 to 3
-
-
-

7. Science Teacher' s
Gender

- Male
- Female

8. School Code

- (1) (1) (1)
- (2) (2) (2)
- (3) (3) (3)
- (4) (4) (4)
- (5) (5) (5)

General Questions

1. My parents/guardian expect me to complete at least
 - a. Elementary school
 - b. Middle school
 - c. Trade/vocational school
 - d. 2-year college
 - e. 4-year college

- f. I do not know
2. My parents/guardian hope that I will complete
 - a. Elementary school
 - b. Middle school
 - c. Trade/vocational school
 - d. 2-year college
 - e. 4-year college
 - f. I do not know

 3. The adults(s) with who I live have completed
 - a. Elementary school
 - b. Middle school
 - c. Trade/vocational school
 - d. 2-year college
 - e. 4-year college
 - f. I do not know

Survey of Attitudes Towards Science

The following statements are about the study of science. Please listen to, and read, each statement carefully. Use the following scale to show how much you agree or disagree with each statement.

If you STRONGLY DISAGREE	●	(2)	(3)	(4)	(5)	
If you AGREE	(1)	●	(3)	(4)	(5)	
If you are UNDESIDED	(1)	(2)	●	(4)	(5)	
If you AGREE		(1)	(2)	(3)	●	(5)
If you STRONGLY AGREE	(1)	(2)	(3)	(4)	●	

It is important that you respond to *every statement*, and that you fill in only one number per statement.

ATSI ITEM STATEMENTS	SD	SA
1. Science is useful in helping to solve the problems of everyday life.	(1) (2) (3) (4) (5)	
2. Science is something that I enjoy very much.	(1) (2) (3) (4) (5)	
3. I would like to do some extra or un-assigned reading in science.	(1) (2) (3) (4) (5)	
4. Science is easy for me.	(1) (2) (3) (4) (5)	
5. When I hear the word <i>science</i> , I have a feeling of dislike.	(1) (2) (3) (4) (5)	

6. Most people should study some science. (1) (2) (3) (4) (5)
7. Sometimes I read ahead in our science book. (1) (2) (3) (4) (5)
8. Science is helpful in understanding today' s world. (1) (2) (3) (4) (5)
9. I usually understand what we are talking about in science. (1) (2) (3) (4) (5)
10. Science teachers make science interesting. (1) (2) (3) (4) (5)
11. No matter how hard I try, I can not understand science. (1) (2) (3) (4) (5)
12. I feel tense when someone talks to me about science. (1) (2) (3) (4) (5)
13. Science teachers present material in a clear way. (1) (2) (3) (4) (5)
14. I often think, "I cannot do this," when a science assignment seems hard. (1) (2) (3) (4) (5)
15. Science is of great importance to a country' s development. (1) (2) (3) (4) (5)
16. It is important to know science in order to get a good job. (1) (2) (3) (4) (5)
17. I like the challenge of science assignments. (1) (2) (3) (4) (5)
18. It makes me nervous to even think about doing science. (1) (2) (3) (4) (5)
19. It scares me to have to take a science class. (1) (2) (3) (4) (5)
20. Science teachers are willing to give us individual help. (1) (2) (3) (4) (5)
21. It is important to me to understand the work I do in science class. (1) (2) (3) (4) (5)
22. I have a good feeling toward science. (1) (2) (3) (4) (5)
23. Science is one of my favorite subjects. (1) (2) (3) (4) (5)
24. I have a real desire to learn science. (1) (2) (3) (4) (5)
25. I do not do very well in science. (1) (2) (3) (4) (5)

Perception of the Science Teacher = 10, 13, 20

Anxiety toward Science = 5, 12, 18, 19, 22*

Value of Science in Society = 1, 6, 8, 15, 16

Self-concept of Science = 4, 9, 11*, 14*, 25*

Desire to do science = 2, 3, 7, 17, 21, 23, 24

The * indicates that the score will be reversed because the statements were worded in the negative. Higher numerical scores reflect more positive attitudes in all areas **except anxiety** where a lower numerical score reflects a more positive attitude (less anxiety).