

Code: \_\_\_\_\_

## Problems and Research to Integrate Science and Mathematics Undergraduate Student Attitudes Survey



*Circle the answer that best describes the extent to which you agree or disagree with each of the following statements:*

1. Teaching is a craft that can be learned and mastered.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
2. I prefer a career in which I can do research full time.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
3. It is the teacher's job to motivate students.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
4. I am comfortable working in a group of scientists.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
5. Teaching at the college level is part of my career plan.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
6. Speaking to the scientific community is a major challenge for me.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
7. Those that can't do, teach.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
8. Teaching is the most important part of my future career.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
9. Teachers make an important contribution to society.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
10. Speaking to the lay public is a major challenge for me.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
11. Teaching at the K-12 level is part of my career plan.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
12. I enjoy working with teenagers.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree

13. I am comfortable using active learning techniques to enhance student learning.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
14. Teachers use group projects to reduce the amount of work they must do.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
15. The work involved in teaching is often over-estimated.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
16. Homework would not be needed if teachers did a better job during class.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
17. I am comfortable helping students connect new information to their prior knowledge.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
18. The thought of being in charge of a classroom of school-aged students scares me.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
19. Planning is the most important component of good teaching.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
20. Helping others learn is very satisfying to me.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
21. I am comfortable using group work to enhance student learning.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
22. Teachers should not interfere with a student's exploration and discovery of new knowledge.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
23. I am confident in my ability to translate scientific information to nonscientists.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
24.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
25. Effective teachers set clear expectations for students.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
26. The thought of being in charge of a classroom of college-aged students scares me.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
27. I am comfortable working in a mixed group of scientists and nonscientists.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree

28. Science is easy for most people to learn.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
29. The quality of K-12 science education in America is inadequate.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
30. Undergraduate students in the sciences would benefit from exposure to K-12 outreach programs.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
31. K-12 science classes are too focused on details and not enough on themes and general concepts.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
32. People in science-related careers should be exposed to K-12 outreach programs.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree
33. It is important for everyone to know about science is his or her daily life.	Strongly Disagree	Partly Disagree	Partly Agree	Strongly Agree