### Science Teaching Efficacy Belief Instrument*

Please indicate the degree to which you agree or disagree with each statement below by circling the appropriate letters to the right of each statement.

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1. When a student does better than usual in science, it is often because the teacher exerted a little extra effort.  
   
   **SA A UN D SD**

2. I am continually finding better ways to teach science.  
   
   **SA A UN D SD**

3. Even when I try very hard, I don't teach science as well as I do most subjects.  
   
   **SA A UN D SD**

4. When the science grades of students improve, it is most often due to their teacher having found a more effective teaching approach.  
   
   **SA A UN D SD**

5. I know the steps necessary to teach science concepts effectively.  
   
   **SA A UN D SD**

6. I am not very effective in monitoring science experiments.  
   
   **SA A UN D SD**

7. If students are underachieving in science, it is most likely due to ineffective science teaching.  
   
   **SA A UN D SD**

8. I generally teach science ineffectively.  
   
   **SA A UN D SD**

9. The inadequacy of a student's science background can be overcome by good teaching.  
   
   **SA A UN D SD**

10. The low science achievement of some students cannot generally be blamed on their teachers.  
    
    **SA A UN D SD**

11. When a low achieving child progresses in science, it is usually due to extra attention given by the teacher.  
    
    **SA A UN D SD**

12. I understand science concepts well enough to be effective in teaching elementary science.  
    
    **SA A UN D SD**

13. Increased effort in science teaching produces little change in some students' science achievement.  
    
    **SA A UN D SD**

14. The teacher is generally responsible for the achievement of students in science.  
    
    **SA A UN D SD**

15. Students' achievement in science is directly related to their teacher's effectiveness in science teaching.  
    
    **SA A UN D SD**

16. If parents comment that their child is showing more interest in science at school, it is probably due to the performance of the child's teacher.  
    
    **SA A UN D SD**

17. I find it difficult to explain to students why science experiments work.  
    
    **SA A UN D SD**

18. I am typically able to answer students' science questions.  
    
    **SA A UN D SD**

19. I wonder if I have the necessary skills to teach science.  
    
    **SA A UN D SD**

20. Effectiveness in science teaching has little influence on the achievement of students with low motivation.  
    
    **SA A UN D SD**

21. Given a choice, I would not invite the principal to evaluate my science teaching.  
    
    **SA A UN D SD**

22. When a student has difficulty understanding a science concept, I am usually at a loss as to how to help the student understand it better.  
    
    **SA A UN D SD**

23. When teaching science, I usually welcome student questions.  
    
    **SA A UN D SD**

24. I don't know what to do to turn students on to science.  
    
    **SA A UN D SD**

25. Even teachers with good science teaching abilities cannot help some kids learn science.  
    
    **SA A UN D SD**

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