

Scientist-Teacher Educational Partnership Survey (STEPS)

This survey was designed to explore teachers' and scientists' perceptions of their partnership in designing and implementing instruction. It applies to one distinct teacher-scientist project that may consist of one or more interactions between the teacher, students and the scientist (e.g., face-to-face or virtual visit). If a teacher worked with more than one scientist in a lab on this project, the term "partner" in the survey applies to all scientists in this lab collectively. **Please reflect on the entirety of your experience working with one teacher or scientist (lab) in this survey.**

Name of the teacher/scientist(lab) partner:

Communication and Planning (between partners)

| | | | | |
|--|----|---|---|----|
| 1. The amount of communication between me and my partner was adequate. | SD | D | A | SA |
| 2. The quality of communication between me and my partner was adequate. | SD | D | A | SA |
| 3. Communication between me and my partner was timely. | SD | D | A | SA |
| 4. The questions and concerns I had during planning were adequately discussed. | SD | D | A | SA |
| 5. My partner and I developed shared goals and expectations. | SD | D | A | SA |

Science Teaching Self-Efficacy

| | | | | |
|--|----|---|---|----|
| 6. I have a better understanding of how to integrate scientific inquiry in the classroom as a result of this partnership. | SD | D | A | SA |
| 7. I can more effectively answer student questions about the science content that was addressed in this project as a result of this partnership. | SD | D | A | SA |
| 8. I can plan science instruction more effectively as a result of this partnership. | SD | D | A | SA |

| | | | | |
|---|----|---|---|----|
| 9. I have learned new instructional strategies to teach science more effectively as a result of this partnership. | SD | D | A | SA |
|---|----|---|---|----|

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|--|----|---|---|----|
| 10. I have improved my understanding of the instructional strategies I usually use to teach science as a result of this partnership. | SD | D | A | SA |
|--|----|---|---|----|

Perceptions of Student Engagement and Learning

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|--|----|---|---|----|
| 11. Most students were engaged (verbally and/or nonverbally) during the interaction. | SD | D | A | SA |
|--|----|---|---|----|

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|---------------------------------------|----|---|---|----|
| 12. Students enjoyed the interaction. | SD | D | A | SA |
|---------------------------------------|----|---|---|----|

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|---|----|---|---|----|
| 13. Students learned more science content during the interaction. | SD | D | A | SA |
|---|----|---|---|----|

| | | | | |
|---|----|---|---|----|
| 14. Students became more aware of the nature of science and/or its applications in society. | SD | D | A | SA |
|---|----|---|---|----|

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|---|----|---|---|----|
| 15. Students asked higher-order questions that reflected interest and understanding of the content. | SD | D | A | SA |
|---|----|---|---|----|

Your First and Last Name: _____

Your Gender:

- Male
- Female
- Other: _____
- Do not wish to provide

Your ethnicity:

- Hispanic or Latino/Latina
- White or Caucasian
- Black or African American
- Asian
- American Indian or Alaska Native
- Native Hawaiian or Other Pacific Islander
- Mixed race or Multi-race

- Other: _____
- Do not wish to provide