

Elementary Engineering Survey

Background Information

In this section of the survey, we ask you some questions about your background.

1. Where do you teach?

- Chesterfield-Goshen
- Southampton
- Westhampton
- Williamsburg

2. What grade(s) do you teach? Check all that apply.

- PK
- K
- Grade 1
- Grade 2
- Grade 3
- Grade 4
- Grade 5
- Grade 6

3. I am:

- Female
- Male

4. My age is:

- 20-29
- 30-39
- 40-49
- 50-59
- 60+

5. I have been teaching for:

- Less than 5 years
- 5 to 10 years
- 11 to 20 years
- 20 or more years

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6. What is your primary job function?

- Classroom Teacher
- Instructional Technology Specialist
- Library/Media Specialist
- Science Specialist
- Other (please specify)

7. What subject(s) do you teach? Check all that apply.

- English Language/Arts
- Mathematics
- Science
- Social Studies
- Technology
- Other (please specify)

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10. If you typically use robotics in your classroom, what type of robotics kits do you use?

Check all that apply.

- Arduino
- BeeBots
- LEGO WeDo
- LEGO NXT
- Pico Crickets
- Don't use robotics
- Other (please specify). If more than one, make a comma separated list.

11. Have you ever received professional development in engineering education (non-robotics)?

- Yes
- No

12. Have you ever received professional development in robotics engineering education?

- Yes
- No

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Attitudes Towards Engineering Education

The final section of the survey asks you about your attitudes towards engineering education at the elementary level.

13. How important or unimportant is it to teach engineering to students of the following grades?

	Very Important	Somewhat Important	Somewhat Unimportant	Very Unimportant
PK and K	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Grades 1 to 3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Grades 4 to 6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Middle School	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
High School	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

14. How much do you agree or disagree with the following statement? Engineering should be part of national and state standards for elementary students (grades PK-6).

- Strongly Agree
- Agree
- Disagree
- Strongly Disagree

15. How important or unimportant is it to give students hands-on learning experiences in elementary school?

- Very Important
- Somewhat Important
- Somewhat Unimportant
- Very Unimportant

16. How much do you agree or disagree with the following statement? Engineering education integrates many subjects in an engaging way for students.

- Strongly Agree
- Agree
- Disagree
- Strongly Disagree

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17. How easy or difficult would it be to add engineering to the your curriculum?

- Very Easy
- Easy
- Difficult
- Very Difficult

18. Which of the following (if any) are your concerns about teaching engineering to elementary students? Check all that apply.

- Administrative support
- Confidence in the subject area
- Cost of materials
- Lack of professional development
- Lack of time in the school day
- Managing the materials
- Not important to teach
- Students' ability to learn engineering
- No concerns
- Other (please specify)

19. With sufficient training, how confident are you that you could teach engineering to elementary students?

- Very Confident
- Confident
- Somewhat Confident
- Not Confident

20. Please add any additional comments concerning elementary engineering education.