

## SAR Pretest: Teacher Perception of Social Robots in the Classroom

Date \_\_\_\_\_

ID \_\_\_\_\_

Please answer the following questions. There are no right or wrong answers, so please answer to the best of your ability. If you need more space to answer any questions, please feel free to write on a separate piece of paper. Just indicate the question number for your response, and return both this questionnaire and your answers to the researchers.

1. What technology do you use in your classroom right now? *E.g., tablets, computers, videos.*

2. How do you feel about having a social robot in your classroom?

*Not excited at all*    1    2    3    4    5    *Very excited*

*Not worried at all*    1    2    3    4    5    *Very Worried*

*Not afraid at all*    1    2    3    4    5    *Very Afraid*

*Other:* \_\_\_\_\_

3. Do you think having a social robot in your classroom will be ....

*Not beneficial at all*    1    2    3    4    5    *Very beneficial*

*Not disruptive at all*    1    2    3    4    5    *Highly disruptive*

4. I feel robots are an unnecessary in classrooms.

*Strongly Disagree*    1    2    3    4    5    *Strongly agree*

5. How do you think the children in your class will feel about having a social robot in their classroom?

*Not excited at all*    1    2    3    4    5    *Very excited*

*Not worried at all*    1    2    3    4    5    *Very Worried*

*Not afraid at all*    1    2    3    4    5    *Very Afraid*

*Other:* \_\_\_\_\_

6. What thoughts, if any, do you have about children's social interactions with the robot, their potential emotional reactions to the robot, or their potential emotional attachment to the robot?

7. How do you think putting a social robot in your classroom will impact the learning environment?

8. In general, I think a social robot can help children learn.

*Strongly Disagree*    1       2       3       4       5       *Strongly agree*

9. In general, I think a social robot will hinder independent learning.

*Strongly Disagree*    1       2       3       4       5       *Strongly agree*

10. In general, I think a social robot can support independent learning.

*Strongly Disagree*    1       2       3       4       5       *Strongly agree*

11. What do you think are potential benefits of having a social robot in the classroom?

A) How might children gain from it?

B) How might you or other teachers gain from it?

12. What do you think are potential risks or problems with having a social robot in the classroom?

13. How do you think a social robot will help or hinder your work or other teachers work?

14. What roles do you see robots taking in education, if any?
15. How do you think robots impact independent learning? Why?
16. If social robots were commonly used in classrooms, what do you think would be a good student-to-robot ratio?
- A) One robot per child: Children should work with the robot individually
  - B) One robot per two children: Children should work with the robot in pairs
  - C) One robot per 3-5 children: Children should work with the robot in small groups
  - D) One robot per classroom: The whole class should work with the robot at once
  - E) Other: \_\_\_\_\_
17. If social robots were commonly used in classrooms, how much of a teacher's supervision would they need?
- |                             |   |   |   |   |   |                              |
|-----------------------------|---|---|---|---|---|------------------------------|
| <i>Not much supervision</i> | 1 | 2 | 3 | 4 | 5 | <i>Extensive supervision</i> |
|-----------------------------|---|---|---|---|---|------------------------------|
18. If social robots were commonly used in classrooms, what should the robot do to assess each child's progress, monitor children, and/or report back to teachers?
19. How much access should teachers have to what the robot monitors and knows about each child?
- |                              |   |   |   |   |   |                                |
|------------------------------|---|---|---|---|---|--------------------------------|
| <i>Should have no access</i> | 1 | 2 | 3 | 4 | 5 | <i>Should have full access</i> |
|------------------------------|---|---|---|---|---|--------------------------------|
20. How much access should children have to what the robot monitors and knows about them?
- |                              |   |   |   |   |   |                                |
|------------------------------|---|---|---|---|---|--------------------------------|
| <i>Should have no access</i> | 1 | 2 | 3 | 4 | 5 | <i>Should have full access</i> |
|------------------------------|---|---|---|---|---|--------------------------------|
21. How much should children know about what access their teachers have to the robot's knowledge?
- |                        |   |   |   |   |   |                               |
|------------------------|---|---|---|---|---|-------------------------------|
| <i>Should not know</i> | 1 | 2 | 3 | 4 | 5 | <i>Should know everything</i> |
|------------------------|---|---|---|---|---|-------------------------------|
22. Do you have any other comments, thoughts, or suggestions about social robots or our study that you would like to share?