

Appendix A

Pre-Project Questions

Date: _____ Male/Female _____

Semester at SSU _____ Team Name _____

How much time do you feel you SHOULD spent on this project individually or collectively to complete it? _____

Scores: 4=Very much; 3=For the most part; 2=Almost/not sure; 1=Not really

Answer to the following questions:	Score
1. Have you ever built anything requiring electrical components (at work or school)?	
2. Have you ever been involved in building something in a team that took longer than five weeks (at work or school)?	
3. Have you even taken any physics class?	
4. Have you ever taken any electronic class?	
5. Do you feel you understand what engineers really do?	
6. Do you think you need considerably more time to complete this project?	
7. Do you prefer to work alone in order to complete this project?	
8. On a scale of 1-4, how difficult do you think this project will be?	
9. Have you ever been involved in any community-based projects?	
10. Have you ever interacted with disabled children?	
TOTALS	_____

Appendix B

Post-Project Questions

Date: _____ Male/Female _____

Semester at SSU _____ Team Name _____

How much time do you feel you ACTUALLY spent on this project individually or collectively to complete it? _____

Scores: 4=Very much; 3=For the most part; 2=Almost/not sure; 1=Not really

Answer to the following questions:	Score
1. Were the project objectives sufficiently defined and you were clearly told what you where expected to do?	
2. Do feel that the client (children and parents) were sufficiently involved throughout the project?	
3. Did the project remain within the scope of the course?	
4. Did you feed that you receive sufficient theory/background for completing the project?	
5. Do you feel that you learned considerably through completing this project?	
6. Do you feel you understand more about what engineers really do after this project?	
7. Do you feel that working in a group was very beneficial to you and helped you learn more?	
8. Do you feel you spent too much time on this project?	
9. Are you more interested to become an engineer after doing this project?	
10. Did you like the blog creation and YouTube presentation?	
11. Do you feel more comfortable with hands-on activities after this project?	
12. Did you enjoy the fact that this project was designed for students with disabilities?	
13. Did you feel a little uncomfortable working with students with disabilities?	
14. After completing this project, do you feel more comfortable working with students with disabilities?	
15. Did you receive adequate technical support and assistance from the machine shop?	
16. Did you use the machine shop at SSU?	
17. Did you receive significant assistance from senior students and the engineering club?	
18. Do you feel lack of financial support from the department significantly impacted the quality of your project?	
19. Do you feel you received helpful comments from the judges?	
20. Do you feel that after this course you will be more interested to do community-based projects?	
TOTALS	_____