Name

Date

Project Checklist and Rubric

The Project Checklist: Your solution explanation should include the following:

_____**The specific problem you're solving:** Use the table from the *Selecting a Solution* handout to describe the who/what/where/when/why/how of your problem.

_____**Your solution:** Described in words.

_____**Your solution:** Drawn and labeled. Your drawings will help you clearly **communicate** your **solution** to other people!

_____**How your solution will solve the problem**: Give at least one piece of evidence. Write out your answer.

Your group will also present your solution to tell the story of how you went through the engineering design process to design your solution.

	Expert **Germ Problem-Solver**	**Assistant** **Germ Problem-Solver**	**Beginner** **Germ Problem-Solver**	**Feedback**
K-2-ETS1-1 Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool. **You picked a specific problem to be solved to stop the spread of germs.** **You developed and described a new or improved object or tool to help keep germs from spreading.**	____You clearly described your solution in words. ___Your solution is an entirely new or improved object or tool. ___You can do something about the problem you picked (even with the limitations). ___You fully described the who/what/where/when/why/how of the problem.	__You described your solution in words. ___Your solution is a somewhat new or improved object or tool. ___ You may be able to do something about the problem you picked (even with the limitations). __You mostly described the who/what/where/when/why/how of the problem.	__You did not describe your solution in words (or it is unclear or incomplete). ___Your solution is an object or tool that already exists. ___You cannot do anything about the problem you picked based on the limitations. __You somewhat described the who/what/where/when/why/how of the problem.	

Your solution works within constraints and limitations your team talked about.				
K-2-ETS1-2 Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem. **You drew a picture of your solution and labeled it.** **You explained how it would help slow the spread of germs that make us sick.**	___You drew a picture of your solution and labeled each part clearly. ___You explained how it would slow the spread of germs, providing 2 or more pieces of evidence.	___You drew a picture of your solution and labeled most parts. ___You explained how it would slow the spread of germs, providing at least 1 piece of evidence.	___You did not draw a picture of your solution, or it is missing labels for most parts. ___You did not fully explain how it would slow the spread of germs or you did not provide evidence.	

SEP: Communicate information or design ideas and/or solutions with others in oral and/or written forms using models, drawings, writing, or numbers that provide detail about scientific ideas, practices, and/or design ideas. **You shared your solution with an audience.**	__You clearly shared your ideas with an audience. __You consistently used your drawing to support your presentation.	__You shared your ideas with an audience. __You presented and used your drawing a few times.	__You shared your ideas with an audience, but it is unclear or incomplete. __You presented but did not talk about your drawing.	