Section A: Form your Ideas

- *Who helped you with your project?*
- *In what parts of the project was their help most useful?*
- *How did you come up with the idea for your project?*
- *What prior experiences did you have with these ideas?*
- *What steps did you take in your early work (your preliminary explorations)?*
- *How did you know this project was doable?*
- *What did you do to make sure this project was going to be doable?*
- *What questions did you have about your topic that you needed to answer?*
- *What ideas did you learn while doing your research?*
- *What resources were most useful for you in your research?*
- *What ideas did you include in your first scientific model?*
- *How did you design your investigation or experiment?*
- *For engineers, how did you come up with your criteria for success?*

Section B: Conduct your Tests

- *What did you think was going to happen before you did your tests or went through your engineering process? Why?*
- *What were some of the variables involved in your project?*
- *What did you do to make sure you were collecting good data?*
- *What challenges came up when you were doing your tests or engineering cycles?*
- *For engineers, how many design cycles did you do (tested, modified, re-designed)?*
- *For engineers, did you build a prototype? What did you learn from it?*
- *When looking at your graphs and tables, what stands out to you? What do you notice?*
- *Did you do any calculations during your project?*

Section C: Explain your Results

- *What new questions did you have after you collected your data?*
- *What resources were helpful in answering those questions?*
- *What did you do to revise your scientific model based on your results and research?*
- *How would you explain your results?*
- *What surprised you about the results of your work?*
- *Could the source of your results be based on random chance? Why or why*

not?

- *What steps did you take to ensure your results wouldn't be based on randomness?*
- *Did your results match your predictions or your research? Why or why not?*
- *Would it be valuable to collect more data? Why or why not?*

Section D: Share your Project

- *What was one of your highlights from doing your project?*
- *What was a challenge you faced?*
- *If you repeated your tests, is there anything you would do differently?*
- *If you decided to work more on this idea, what would you do next?*