Design Inquiry Planning Sheet

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| First and Last Name:  Homeroom: | People I would like to work with (names and homeroom): |

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  | | --- | | * Finding an idea for your design project requires you to identify the needs of yourself, another person, or a group of people. The act of looking at the world around you to identify these needs is called **need finding**. * To help you find an idea for your engineering project:   + Create a list of all the things that annoy or bother the people around you. Record this bug list on your index card.   + You could [Mind Map](https://www.sciencebuddies.org/science-fair-projects/engineering-design-process/mind-mapping) possible design problems, ideas, or areas of interest to you. | | What is the problem you intend to solve? | |  |  |  |  | | --- | --- | | Who has the problem or need? | Why is it important to solve? |  |  | | --- | | What skills or strengths do I bring to this project? Or, what experience do I have that would help me contribute to my group? | |  | | What materials will we need for this project? | |

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| Is your topic interesting enough to research and engage with for a couple of months? |  |
| Can you find at least three sources of information related to your topic (written, video, people etc). |  |
| Can you think of a way to measure if your solution is better than one that already exists? For example, will it cost less money, does it save time, does it increase comfort or safety? |  |
| Is your design safe to build, use, store, and dispose of? |  |
| Do you have enough time to complete your prototype, design, or model before the due date? |  |