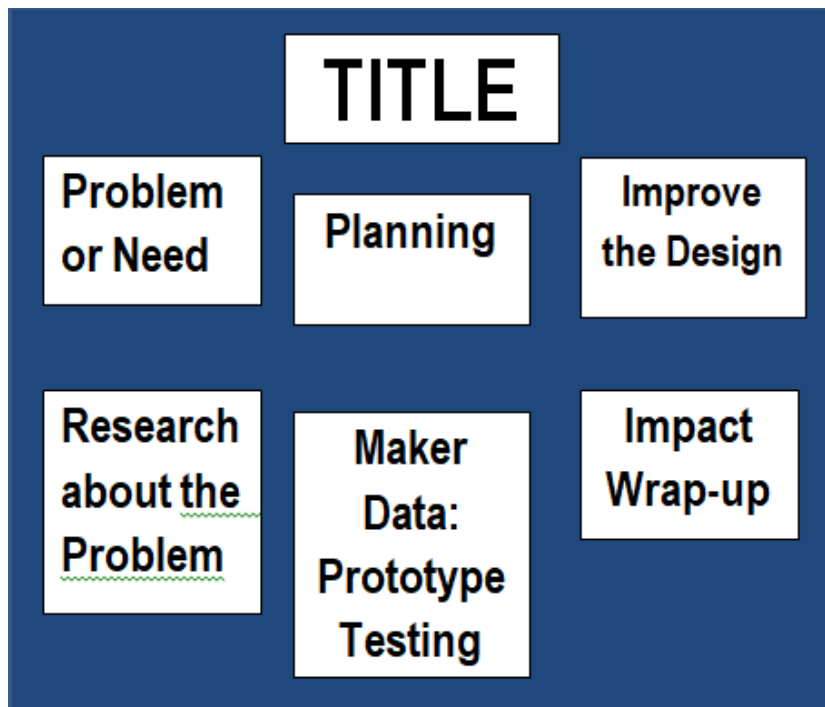


Name(s): \_\_\_\_\_  
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# **MAKER-FAIR**

## **PLANNING GUIDE**



For more ideas and information, visit [TimothyLutheranScienceFair.jmstack.com](http://TimothyLutheranScienceFair.jmstack.com)

Direct questions to your science teacher or Mrs. Stack, [jennifer@the-stacks.com](mailto:jennifer@the-stacks.com)

**Problem or Need:** (All innovation starts with a problem or need. Identify the problem your creation will solve – the overall focus is reducing plastic waste. Identify an issue, product or behavior to address - try to be as specific as possible!)

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**Research the Problem:** (Dig a little! Find out what other solutions exist to solve the problem. Do they do a good job? Could you do it better?)

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**Planning your project:** How will you make your creation? What will you need?



Brainstorm below what you might need for your project (draw set-up, make lists, etc.)



**STOP!!!** Do not continue your project planning without checking your plan with Mrs. Stack.

**Create a Prototype:** *(Show your plan or first attempt at a design. Describe what materials were used and how.)*

**Maker Data:** *(Test your prototype! Explain some of your first attempts, what went well, what didn't, what you wish you could have done differently... Be creative – include photos, bloopers, anything. This is your place to shine.)*

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It's **okay** if your prototype is a total flop! Innovation is all about trying new things and finding out what doesn't work. If your prototype is a 'fail', here is your place to explain why. 😊

**Improve:** *(Now that you have tested your prototype, it's time to discuss what can work better next time. How can you change your design? If it worked really well, how can you promote your design to others?)*

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**Impact:** *(This section is your wrap-up. Our maker fair is all about reducing plastic waste, so... How well does your create solve the Problem or Need? How would it impact the environment, economy, society, etc.? Would your creation be useful in the long-term? How could your creation lead to more innovations?)*

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Now, put it all together! Use the layout guide on the packet front to plan your project poster. Write neatly, or type each section, and be sure to include eye-catching headings!