

NAMES: \_\_\_\_\_

### **Senior Research Topic Presentation Form**

Each person should complete two (2) Topic Presentation Forms, for a total of 4 per research pair. This form must be detailed, typed and printed. It is due the first day of MMSTC to your science teacher. Staple all four of your forms together.

**1.) Research Question:**

What problem are you trying to solve? Why is this important? What scientific knowledge are you seeking?

**2.) Brief but Detailed Description of Experiment:**

**3.) Data Collection:**

**Independent Variable(s):**

Think about how you will measure/collect this data. Include the units you will measure in.

**Dependent Variable(s):**

Think about how you will measure/collect this data. Include the units you will measure in.

**4.) Materials, tools, instruments to be used to collect data.**

Do we have access to everything you need at MMSTC? If not how will you get what you need. Consider cost and time. Do you understand/know how to use everything you have listed?

**5.) Where will you obtain the Materials listed above?**

Now is the time to reach out to universities and companies and build partnerships.

**6.) Where will the experiment be conducted?**

Consider safety, space, availability of materials/equipment?

**7.) Resources: personal, Universities, Professionals, partnerships that may be of assistance:**

Be specific, use this time in the summer to investigate these opportunities. Many Universities would love your help over the summer.

**8.) Complete two Annotations of articles that you used to validate the feasibility of this project. Please include hard copies of the articles or journals you used.**

**Link to What an Annotation should accomplish**

**<https://drive.google.com/file/d/1ULNtpGjKaIgeivF484Qd6uT8a0FbH8JR/view>**

**Link to MMSTC Annotation Rubric:**

**<https://docs.google.com/document/d/1mlNVloB7fZTopWQyWtQSfeUjHi0WiIx2OKKLnRwJK4g/edit>**