Name: _____   Block: _____   Date: _____

The capstone project proposal will help us understand what your project is about. It is also helpful to you as a student because it forces you to look ahead at where you're going, what you want to achieve, and the investment you will need to put in complete your project. This proposal consists of several paragraphs that describe an outline for your capstone project. Please submit a Word document or PDF with the following headings on Teams Assignments tab. The proposal will be reviewed and approved by the SA teachers.

1. **Project Summary**:
   - Provide a brief overview of the project's main goal and problem to be studied.
   - Explain the significance for why this topic is important to you and how it relates to your passions or potential career interests.

2. **Research Review**:
   - Summarize the current state of knowledge in your chosen area (where you are right now).

   - Reference relevant books, articles, and research papers that provide context for your project.

   - Include 1-2 sentences about how each resource will contribute to your understanding of the inquiry topic.

   - Identify any individuals (mentors, alumni, professors, experts) who you will consult with during the project. These people should be able to provide additional insight into your topic.

3. **Project Design:**

   - Explain how you intend to do what you want to do. Outline the method of inquiry, which can include textual research, scientific experimentation, statistical data collection, qualitative study, or coding work you plan to undertake.

     - Include any relevant algorithms, tools, or software you plan to use.

     - Include any sketches, prototypes, or design plans.

   - Explain what type of data you will gather and how you will analyze this data to support your conclusions.

4. **Resources Needed:**

   - List any specific materials, equipment, or software tools required for your project.

   - Include information on where and how you'll obtain these resources.