Tips and Structure for a Sci-athon Proposal:

Overview: Sciathon is a team challenge designed to motivate **interdisciplinary** thinking to solve complex problems. Proposals must cover a lot of ground (background, idea, precedent, and viability) in a very short amount of time (~10 min presentation), so figures and succinctness are invaluable.

Suggested Components:

1. Hook/Broad Scope Introduction
    a. What is the problem you are addressing?
    b. Why is it a problem that should be addressed?
    c. How do you introduce the problem in an engaging way?
    d. Previous example (first slide of the presentation):

Treating the Madness of Odysseus:
Water Table Purification Through Biomimicry

Andrew Camp, Jack Eicher, Irene Manning

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2. Existing technologies/solutions: Identifying a gap
    a. What work has been done on this issue previously?
    b. Are there any **gaps** that can be filled?
    c. How can you motivate your unique idea in the context of existing technologies (if any)?
3. Filling the gap: Introduction to your idea
    a. How can you combine your respective disciplines or knowledge to solve the problem?
    b. Is there a succinct way to describe your solution?
4. Science moment: Motivating your idea with literature support
    a. What existing literature is there on the subject?
    b. What sources can you use to motivate or support the feasibility of your idea?
    c. Can you address critique or problems with your solutions?
    d. Can you propose preliminary research or design ideas?
5. Conclusion
    a. How does your idea fit into the big picture of the problem?
    b. Can you summarize your idea with a memorable statement, figure, or idea?