

B Unit 01: Project Proposal/Team Building

Content Area: **Science**
Course(s): **Robotics A**
Time Period: **Marking Period 1**
Length: **3**
Status: **Published**

Standards

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| SCI.9-12.HS-ETS1-3 | Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts. |
| SCI.9-12.HS-ETS1-2 | Design a solution to a complex real-world problem by breaking it down into smaller, more manageable problems that can be solved through engineering. |

Enduring Understandings

- Solving a complex problem may require individuals with varying skills to work together in order to clarify, investigate, and collaborate for a practical solution.
- Preparation and foresight are essential for productivity and utilizing individual abilities within a team.
- Proper knowledge of available equipment is necessary for team use and safety.

Essential Questions

- What rules, regulations, and protocol exist that are necessary for success in this course?
- What needs to exist for effective teamwork within a STEAM related project?
- How can you help to foster a positive and efficient environment within a team?
- What resources are available to help with group productivity?
- What safety measures are necessary to take in a shop environment?

Resources

Unit 01: Project Proposal/Team Building

- Course rules and regulations
- Safety Quizzes
- Project proposal criteria and pitch information
- Initial Project Ideas
- Team sign up / role descriptions
- Workflow / communication breakdown - Shared materials
- Formal Proposal of project with timeline

