B Unit 03: Skills Assessment/Development

Content Area: **Science**
Course(s): **Robotics A**
Time Period: **Generic Time Period**
Length: **5**
Status: **Published**

Standards

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.
SCI.9-12.HS-ETS1-4	Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.
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.

Enduring Understandings

- Self-assessment and identification of weaknesses helps to promote self-improvement.
- Boarding skill sets and gaining experience in various disciplines fosters ingenuity and an individual's capacity to contribute to a design.
- Teaching a skill to another individual may lead to better comprehension of that skill.

Essential Questions

- What are my strengths and weaknesses?
- How can experience with a different specialization help to obtain an improved outcome for a project?
- What are the steps necessary to successfully teach a skill to another person?

Resources

Unit 03: Skills Assessment/Development:

- Form completion - Skill set to be explored
- Documentation of work
- Form completion - Description of completed task