For Teachers: Alignment to Curriculum Frameworks

Note: Lesson plans in this series are aligned to one or more of the following sets of standards:

- U.S. Next Generation Science Standards (www.nextgenscience.org)
- U.S. Common Core State Standards for Mathematics (www.corestandards.org/Math)
- International Technology Education Association's Standards for Technological Literacy (www.iteea.org/TAA/PDFs/xstnd.pdf)
- Computer Science Teachers Association K-12 Computer Science Standards (https://www.csteachers.org/page/about-csta-s-k-12-nbsp-standards)

◆Standards for Technological Literacy - All Ages

The Nature of Technology

- Standard 1: Students will develop an understanding of the characteristics and scope of technology.

Design

- Standard 10: Students will develop an understanding of the role of troubleshooting, research and development, invention and innovation, and experimentation in problem solving.

The Designed World

- Standard 17. Students will develop an understanding of and be able to select and use information and communication technologies.

◆CSTA K-12 Computer Science Standards

Grades K-2 (Ages 5-7)

- 1A-AP-14 Debug (identify and fix) errors in an algorithm or program that includes sequences and simple loops.
- 1B-AP-15Test and debug (identify and fix errors) a program or algorithm to ensure it runs as intended.
- 1B-AP-10 Create programs that include sequences, events, loops, and conditionals.