

Unit 03 Programming/Electronics

Content Area: **21st Century Life & Careers**
Course(s): **Generic Course**
Time Period: **Generic Time Period**
Length: **Weeks**
Status: **Published**

Unit Introduction

Standards

9.1-A,C; 9.4.M-1,2,3; 9.4.0-1,2

Essential Questions

What is a controlled system?

Content / Skills

CONTENT

- Students will develop an understanding of how a simple **LabView** program controls electronic components by assembling a basic brain control panel/brain and adjusting the program to successfully operate motors and joysticks

SKILLS

- Wiring components safely
- Reading/editing simple LabView programs
- Connecting Crio, Joystick, Power, Motors, motor controllers (talons/jaquars)
- Using hand tools safely
- Team work