

Unit 07 Pneumatics

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,B,C,E,F; 9.4.M-1,2,3; 9.4.0-1,2

Essential Questions

How are Pneumatics used in the world?

Content / Skills

CONTENT

- Students will experiment with various pneumatic components and understand how they can be used on a robot to operate various functions (lift, push, feed, open gates, etc...)
- Students will create and/or edit a Lab-View program to operate a pneumatic device or Robotic function

SKILLS

- Teamwork
- Designing/planning
- Using CAD
- Using tools/machinery
- Programming control systems
- Wiring electronics
- Using pneumatics components

