

# **AVIATION AND DESIGN**

## **FEBRUARY 2018**

The **Aviation and Design program** is designed in cooperation with Camosun College, South Island Partnership, Victoria Flying Club, Viking Air, Vancouver Island Helicopters, Pacific Sky and Harbour Air. Students in Grade 10,11 and 12 in the Victoria, Sooke and Saanich School Districts are invited to apply to this program. Currently, this program will run in second semester.

Students will experience a variety of learning opportunities in the sectors of aviation, design, engineering, metal fabrication, machining and flight.

### **In this program students will:**

- Earn credit for high school and post-secondary courses:
  - i. Tech Ed 12 - Industrial Design
  - ii. Tech Ed 12 - Metal Fabrication/Machining
  - iii. Introduction to Aviation 12 - Ground School and Flight Practice
  - iv. Work Experience 12A
  - v. TEAC 105 - Camosun Engineering Exploration
- Work towards Transport Canada Ground School Certification - eligible for their Private Pilot's License (PPL)
- Work with local aviation sector employers through work experience placements
- Attend and visit local technical training facilities for TEAC 105 and aviation related projects

### **Program Details**

- Location Mt. Doug Secondary School (M-Th 8:30 - 3:04; F 8:30 - 1:45)
- Dates February 1<sup>st</sup> - June 27<sup>th</sup>, 2018
- Duration - 1 semester - February - June 2018
  - i. Monday - Friday - Class instruction based out of Mt. Doug Secondary
  - ii. TEAC - Based at Camosun College - Interurban Campus
  - iii. Work Experience - 5 weeks of Work Site Placements - Monday -Thursday
  - iv. Ground School Training - Victoria Flying Club

## **Credits**

### **Ministry of Education Courses**

- Tech Ed 12 - Industrial Design 4 Credits
- Tech Ed 12 - Metal Fabrication/Machining 4 Credits
- Introduction to Aviation 12 4 Credits
- Work Experience 12A 4 Credits

### **Post-Secondary Credit Courses**

- TEAC 105 (Camosun Engineering Exploration) 4 Credits

## **Certifications**

- Ground School Certification with Victoria Flying Club  
(Private Pilot's License Certification - PPL)

## **Student Outcomes**

- Exposure to a variety of career and training pathways in the sector of aerospace, manufacturing and engineering aviation
- Post-Secondary credit laddering to a variety of post-secondary program pathways
- Certification with Transport Canada's Ground School - Leading to Private Pilot's License (PPL) (Based on exam results)
- WEX leads to community connections, employment opportunities and further post-secondary education pathways