

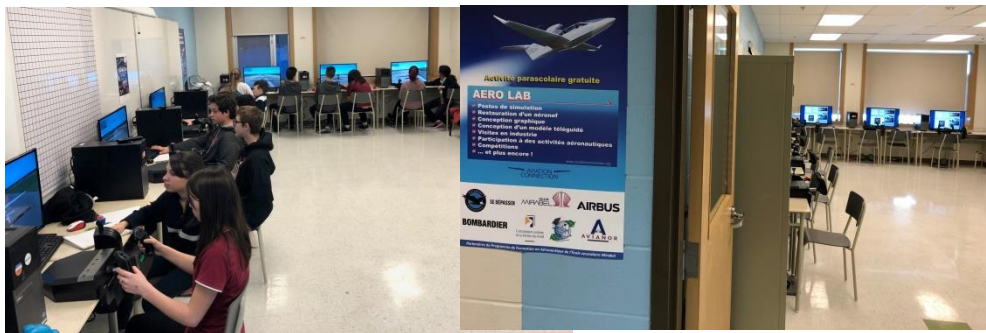
AVIATION CONNECTION

AERO 1- Principals of flight

The AERO 1 course covers the principles of flight.

A total of 45 hours of instruction are delivered by professional pilots (Flight school).

- Fall session : 13 x 1.5 hour session = 19.5 hours
- Winter session : 17 x 1.5 hour session = 25.5 hours
- 8–12 Simulator stations – 2 students per station



AERO LAB : Flight simulators are installed in a class specially dedicated to the program.

Students learn:

- ✓ The aircraft components and instruments
- ✓ Structure and propulsion
- ✓ Gravity and load factors
- ✓ Lift, drag and speed
- ✓ Flight stability
- ✓ Speed and pressure
- ✓ Flight missions will take the students to exciting destination

AERO 1: Example Equilibrium of forces

Simulators:

- ✓ Flight tests: Principles of flight (Bernouilli/Newton)
- ✓ Calculation: Lift, Drag, Thrust
- ✓ Landing and Traction
- ✓ Flight stability
- ✓ Speed and Pressure
- ✓ Introduction to aircraft Design
- ✓ Competitions

