



**GRADE 12**

# Aviation 12 - Airport Operations and Management

**SD36 Surrey**

In Airport Operations and Management students will learn how airports connect communities and how airports are integrated into the infrastructure. Students will learn how aircraft communicate and operate with air traffic control in Visual Flight rules and Instrument Flight rules as well as understand the airspace that aircraft operate in.

---

**Credits:** 4

**Approval Date:** Jun 2019

---

**Hours:** 120

**Trax Code:** YIA

---

## GOALS AND RATIONALE

Airport Operations and Management will: 1. Explore a variety of career and training pathways in the sector of aerospace and aviation, currently one of the top ten sectors identified as needing skills training and development 2. Provide students with the understanding of airport operations, air traffic control and airspace. 3. Connect students with industry and employment opportunities, as well as further post-secondary education pathways

---

## BIG IDEAS

Aviation is federally regulated Aviation connects communities and resources Aviation safety relies on knowledge, training, and experience Aviation tools and technologies can be adapted for specific purposes. Aircraft operation, service, and maintenance include consideration of social and environmental

---

## ADDITIONAL INFORMATION

This course will: • support personalized learning through flexibility & choice • teach students the skills required to scaffold experiential-based learning and problem solving both individually and collaboratively • demonstrate to students that information and learning can come from a variety of sources. • prepare students for the modern workforce by developing skills in critical thinking, creativity, collaboration, info literacy and communication skills