



Course Outline: Flight 11

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Contact Information:

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Course Overview:

This Grade 11 Flight Academy course provides students with foundational knowledge and practical skills in aviation and flight operations. Students will explore the principles of aerodynamics, aircraft systems, navigation, meteorology, and aviation safety. The course combines classroom instruction with hands-on activities, simulation exercises and ground school training to develop critical thinking, problem-solving, and decision-making skills essential for future pilots and aviation professionals. Emphasis is placed on professional skills such as discipline, communication, and teamwork, preparing students for advanced flight training and careers in the aviation industry.

To achieve success in the SAFA program, it is essential for students to prioritize their flying activities by adhering to the provided timeline. This careful management will enable them to complete the program within the designated flight hours. It is important to note that any time spent exceeding the allotted 70 hours set by the academy will incur additional costs, which must be paid separately by the student.

Students can track flight hours through the FlightLogger, which provides real-time updates and feedback on their progress. Additionally, students will receive monthly email updates that include flight projections, ensuring they remain informed about their standing in the program. Staying on top of these details will not only help students manage their time effectively but also aid in their overall success within the SAFA program.

Super T & Flying:

- Super T instructors will be teaching ground school for the entire year at Super-T Aviation airport location.
- Students will be bussed from EBHS at 9:00 and 10:05 to either the SAC building or Super T aviation and will return to the high school at 12:15.
- Grade 10 students will not receive their flight bag until spring and will begin their flight training once they have completed the ROCA, PSTAR, and Cessna 172 exams.
- Students who are flying must follow Super T guidelines and rules Ex. dress code
- Students are expected to complete their first solo before they start grade eleven.

Expectations:

- **Active Participation:** Students are expected to engage actively in all classroom discussions, practical exercises, and simulation activities to enhance their understanding of aviation concepts.
- **Safety Awareness:** Students must consistently follow all safety protocols and demonstrate responsibility during all hands-on training, flight simulations, and actual flying exercises.
- **Punctuality and Preparedness:** Students should arrive on time and come prepared with necessary materials, including flight manuals, notebooks, and any assigned work.
- **Respect and Teamwork:** Students are expected to show respect for instructors, peers, and equipment, and collaborate effectively in team-based activities.
- **Flight Strategy Execution:** During flight strategy lessons and practical flying sessions, students are expected to apply learned techniques accurately, demonstrate sound judgment, and adapt to changing flight conditions safely and confidently.
- **Continuous Learning:** Students should demonstrate a commitment to learning by completing assignments, studying course materials, and seeking clarification when needed.
- **Professionalism:** Students must exhibit discipline, integrity, and professionalism in all aspects of the course, reflecting the standards of the aviation industry.
- **Communication:** Parents and students are encouraged to check in with instructors when questions or concerns arise. It is also highly recommended that both student and parent attend Parent Teacher Interviews in semesters 1 and 2 to help support student learning.

Module	Course Description	Assessment	Credits
Sheet Fabrication 1- FAB 1090	Students use basic tools, materials and processes to fabricate sheet materials into finished products, models or prototypes.	Assignments 100%	1
Health Services- HSS 1010	Students examine fundamental human factors in flight. Concepts related to the determinants of health, the dimensions of wellness, basic principles of anatomy, physiology and disease, and basic safety.	Assignments 100%	1
Aviation Structures 25- LDC 2341	students the opportunity to explore what it means to maintain the aircraft that transport people and products in our increasingly interconnected world. While developing the skills for maintaining an aircraft, students	Assignments 100%	3

	will also engage in the hands-on application and engineering concepts.		
PE 20- Physical Education 20	Students participate in a variety of games to develop individual and manipulative skills, techniques, strategies, and spatial awareness. Inherent in playing all games are cooperation, respect for others, fair play and etiquette.	Skills 40% Assignments 60%	3
Athletic Development REC 2015	Students examine the Long-Term Athlete Development model and related principles of athletic skill development.	Assignments 100%	1
Flight Strategies 15- LDC 1599	Flight Strategies is a course designed to assist high school students in developing the understandings, literacies, skills, and values to be successful in high school subjects and lifelong learning. This course will also support students in achieving their flight hours.	Assignments 100%	5
Outdoor Excursion- WLD 2130	Students plan, prepare for and conduct an extended outdoor wilderness trip.	Assignments 100%	1
Aviation Flight 25- LDC 2351	The Aviation - Flight courses are based on expectations equivalent to Transport Canada and as such, students will work with real-world curricula from which they may identify and apply career and life skills through their learning. Students will gain knowledge, understanding and skills through their experiences in this course. Aviation and will be required to think critically, conceptualize and apply the knowledge they gain.	Assignments 30% Theory Exams 40% Progress Exams 30%	3
Robotics 2- ELT 2140	Students demonstrate the fundamental concepts of sensor devices and control systems by building an electronic circuit to control a direct wire or mobile robot.	Assignments 100%	2
Rec Advanced Practicum- REC 3950	Students apply prior learning and demonstrate the attitudes, skills and knowledge required by an external organization to achieve a credential/credentials or an	Assignments 100%	1

	articulation.		
Flight Strategies 25-LDC 2599	Flight Strategies is a course designed to assist high school students in developing the understandings, literacies, skills, and values to be successful in high school subjects and lifelong learning. This course will also support students in achieving their flight hours.	Assignments 100%	5

Flight General Timeline

- Medical
- PSTAR, ROC-A, Cessna 172 Exam
- Walk Around/ Weight & Balance
- Flight Lessons/Ground Briefing
- First SOLO
- Navigation
- Cross Country
- SOLO Cross Country
- Transport Canada Exam Prep
- Written Exam/ Flight Test

Completion Date

- Fall of Grade 10
- Spring of Grade 10
- Spring of Grade 10
- Spring of Grade 10
- Before Fall of Grade 11
- Fall of Grade 11
- Spring of Grade 11
- Before Fall of Grade 12
- Fall of Grade 12
- Spring of Grade 12

Notes:

Students are required to complete the ROCA, PSTAR, and Cessna 172 examinations during the second semester. The specific dates for these assessments will be assigned by the instructor. It is crucial to adhere to this schedule, as there will be no exceptions granted for any reason. Please ensure that you are prepared to take these exams on the designated dates to avoid any complications.