

## INTRODUCTORY DRAFTING DESIGN TECHNOLOGY 15G (0.5 CREDIT)

### *“Learning Today for Tomorrow*

#### **Course Description:**

This course will provide an opportunity for students to develop drafting skills in a practical activity-based approach. Drafting projects will be incorporated, allowing the students hands-on experiences in the different stages as they develop the necessary theoretical background in order to design and construct various projects in the respective fields. Manual drafting, AutoCAD, Solid Works, 3-D printing and residential computer design programs will be incorporated in the drafting program. Students will have the opportunity to design and construct a CO2 car. A wind tunnel will be used to test the aerodynamics of their car design prior to race day. Cars will reach speeds in excess of 120 kph as we determine who has the fastest car on race day. Safety and developing good work habits will be a key component, as emphasized in any workplace.

Text: AutoCAD Modules, Drafting modules, Exploring Drafting text & Video Tutorials

#### **Assessment:**

Knowledge and Understanding                      20%

Application    80%

No Exam

#### **Creating the Grade:**

- Grades will be based only on the demonstration of an individual student’s knowledge and skills of the outcomes for each course:
  - Only items marked by the teacher will determine a student’s grade
  - Grades are based on individual student achievement, not group achievement
- When determining a grade, the teacher will decide whether there is sufficient evidence of achievement. If not, the mark can be reported as an “*IN*” (incomplete). Teachers will determine with students and parents/guardians a plan for completion of work.

#### **Establish, communicate, and apply consequences for late and missing work:**

Students must understand that there will be consequences for not completing assignments that provide evidence of learning or for submitting those assignments late. If, after establishing and clearly communicating expectations regarding assignments, setting and communicating timelines for assignments, and supporting student learning using the strategies provided above, student work is still late or missing; teachers will apply the following strategies:

- confer with the student and, where appropriate, with the student's parent/guardians about the reasons for not completing the assignment, and consider the legitimacy of reasons;
- develop an agreement with the student to complete the work;
- require the student to complete missing work during lunch by attending the Assessment Completion Centre (ACC).

If, after completing the steps above, the student does not hand in the assessment by the agreed upon deadline, a zero may be used as a mark as the student has not demonstrated any knowledge or skill of the outcome.

The consequence for not completing work is to complete the work. Late marks will not be subtracted from an assignment as it is purely punitive and doesn't measure learning. The assignment will either be completed or given a zero.

The full policy is available on the SCI website under "Student Handbook".

## **15G Drafting**

### **Course Assessment Timeline**

<b>Assignment Name</b>	<b>Deadline Date = "0" score</b>
CO2 Car Drawing Design	February 14, 2020
AutoCad Video Beginner Tutorial	February 28, 2020
AutoCad Floor Plan	March 6, 2020
AutoCad Level 1 Activity 1-3	March 13, 2020
AutoCad Level 1 Activity 4-7	March 20, 2020
AutoCad Level 1 Activity 8-9,&12	March 27, 2020
AutoCad level 1 Assignments	March 27, 2020
AutoCad Test	April 6, 2020

**Note:** Assignments/Activities listed above form the basic requirements of the course. Additional assignments/activities may be included, as we continue to adapt and include new innovative approaches to help enhance the learning and experience base to maximize the potential of all students in keeping with new programs and innovations in their field of study.

Our goal and moto is "**Learning Today for Tomorrow**"

