

Electricity/Electronics 40G (1 CREDIT)
"Learning Today for Tomorrow"

This course will provide an opportunity for students to develop electronic and electricity skills in a practical activity-based approach. Electricity/Electronic projects will be incorporated, allowing the students hands-on experiences in different stages as they develop the necessary theoretical background in order to design and construct various projects in the respective fields. Mr. Circuits Digital Magic electronic kits, computer software and Residential wiring layouts will be incorporated to enhance the practical portion of the course. Safety and the development of good work habits will be a key component, as emphasized in any workplace.

Text/Modules: Electricity & Electronics Technology, Modern Residential Wiring, Mr. Circuits Digital Magic Kit, Mr. Circuits Computer Software and Residential Wiring Work Stations

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".

40G Electronics

Course Assessment Timeline

Assignment Name	Deadline Date = "0" score
Mr. Circuits 3 Activities	February 14, 2020
Mr. Circuits 2 Activity 1-5	February 28, 2020
Mr. Circuits 2 Activity 6-13	March 13, 2020
Mr. Circuits 2 Activity 14-23	March 20, 2020
Mr. Circuits 2 Activity 24-30	March 27, 2020
Residential Wiring Chapters (7)	April 9, 2020
Residential wiring layouts 1-4	April 15, 2020
Residential wiring layouts 5-8	May 1, 2020
Residential wiring layouts 9-18	May 13, 2020
Residential wiring layouts 20-29	May 22, 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"**

