***Electrical Wiring 110***

*Value: 1 credit*

**This course is for all students who want to learn about circuitry. No experience is necessary.** Students taking this course will learn the various circuit arrangements used to control lights and receptacles in residential applications.  Theory and skills are developed through hands-on wiring projects.  Successful completion of 110 (Pre-requisite to 120) and 120 Advance Wiring has been proven very helpful for students who decide to become a journey-person in the construction trades.

***Advance Wiring 120***

*Value: 1 credit*

*Prerequisite:* ***Electrical Wiring 110***

This course is an extension of 110 Electrical Wiring. Topics of residential wiring, safety, switching circuits, conductor material and sizes, service and grounding requirements, wiring methods, installation of electrical equipment, installing of lighting equipment, and basic circuits using buzzers and chimes, entrance systems, raceway wiring, electric heat, and Canadian Electrical Code are practiced as hands-on projects.  This course is useful for students who are considering trades as a career option.

***Introduction to Electronics 110***

*Value: 1 credit*

*NOTE: May be used as a Science credit*

Introduction to Electronics is an excellent course for those students planning to further study the behavior of electricity.  The course requires the use of the mathematical application, Ohm’s Law, for measuring current, voltage, and resistance in series and parallel circuits. Through written labs and hands-on activities, students will develop a basic knowledge required for wiring low voltage/ low currant devices into circuits. This fulfils the requirement of one science credit.

***Introduction to Applied Technology 110***

*Value: 1 credit*

**This course is for anyone interested in the trades and who wants to learn through practical, hands-on activities. No experience is necessary.** The intention of this course is to expose students to various skills that can prove useful for those wanting to become more proficient with hands-on applications in fields including:  electrical, carpentry, drafting, workplace safety, and WHMIS. This is a great introduction course for Grade 10 students as it can help them to determine their interest area and the courses they would like to pursue during their grade 11 and 12 years.