

TECH AT ECI

A GUIDE TO WHAT WE OFFER

THE NEW

- This school year we will be adding the following courses
- Electrical Construction Grade II TCE 3C1
- Plumbing Construction Grade II TCP 3E3

AUTOMOTIVE

- This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the transportation industry.
- Courses are available in grades 10, 11 and 12

CONSTRUCTION

ELECTRICAL

- **Grade 11 Construction Technology, Electrical (College Preparation – TCE 3C1)**
- **Prerequisite: None**
- **Recommended:** Grade 10 Construction Engineering Technology (TCJ2O1 Open)
- This course focuses on the development of knowledge and skills related to residential electrical construction. Students will gain hands-on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning electrical construction projects; create and interpret working drawings and sections; and learn how the Ontario Electrical Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology and will explore career opportunities in the field.

PLUMBING

- **Grade 11 Construction Technology, Plumbing (College Preparation – TCP 3E1)**
- **Prerequisite: None**
- **Recommended:** Grade 10 Construction Engineering Technology (TCJ2O1 Open)
- This course enables students to develop technical knowledge and skills related to plumbing for residential construction. Students will gain hands-on experience using a variety of materials, processes, tools, and equipment to design, lay out, and build projects. They will create and read technical drawings, learn construction terminology, interpret building codes and regulations, and apply mathematical skills as they develop plumbing projects. Students will also develop an awareness of environmental and societal issues related to plumbing technology, and will explore postsecondary and career opportunities in the field.



WHAT WE HAVE

GRADE 9 & 10

- Exploring Technologies - Grade 9 - Open - TIJ101
- Technological Design - Grade 10, Open - TDJ201
- Manufacturing Technology - Grade 10, Open - TMJ201
- Construction Engineering Technology - Grade 10, Open - TCJ201
- Communication Technology - Grade 10, Open - TGJ201

GRADE 11 & 12

- Technological Design - Grade 11, University/College Preparation - TDJ3M1
- Mechanical & Industrial Design - Grade 11, University/College Preparation - TDM3M1
- Manufacturing Technology - Grade 11, College Preparation - TMJ3C1/TMJ3M1
- Robotics and Control Systems - Grade 11, College and University Preparation - TMR3M1
- Construction Engineering Technology - Grade 11, College Preparation - TCJ3C1
- Interactive New Media & Animation - Grade 11, University/College Preparation - TGI3M1

SPECIALIST HIGH SKILLS MAJOR

- Specialist High Skills Majors let students focus on a career path that matches their skills and interests while meeting the requirements of the Ontario Secondary School Diploma (OSSD).
- complete a specific bundle of 8-10 courses in the student's selected field
- earn valuable industry certifications including first aid and CPR qualifications
- gain important skills on the job through cooperative education placements.
- **Who are they for?**
- Grade 11 and 12 students who are:
- heading for apprenticeship training, college, university or the workplace
- wanting to identify, explore and refine their career goals and make informed choices about their next steps after secondary school.

**PLEASE SEE STUDENT
SERVICES TO PICK
WHAT'S BEST FOR YOU**