TECHNOLOGY AT STEPHEN LEWIS SECONDARY SCHOOL

Are you interested in a hands-on course that will teach you how to create, design and problem solve using state of the art equipment? **Then technology education is for you!** Below is a brief description of the technology programs offered at SLSS. Talk directly to the technology teachers, Mr. Blaney, Mr. Brenyo, Ms. Durst, Mr. A. Sayed and Mr. Tombs, about these exciting programs.

Communications Technology: Grades 10, 11, and 12: TGJ 200, TGJ 3M0, TGJ 4M0
Students in Communications Technology use our digital broadcast studio (complete with green screen) to create professional quality movies, music, graphics and DVDs. Students learn how to use industry standard software to create a variety of multimedia projects. Students will also learn how to create live broadcasts and television quality productions. Students taking Communications Technology at the grade 11 and 12 levels may pursue career pathways in radio and television, broadcasting, media, graphic design, web design, advertising and marketing.

Computer Engineering Technology: Grades 10, 11, and 12: TEJ 2O0, TEJ 3M0, TEJ 4M0
Need to fix your computer? If you take Computer Engineering you can fix your computer or build a new one! This course addresses the hardware aspects of computing, from trouble shooting and design to maintenance. Comp. Eng. looks at computers from a computer and electrical engineering perspective, focusing on how computers work and how they communicate. Computer assembly, Electrical Circuits, Logic, Networking, Robotics and some Programming are covered. Career options include Computer and Electrical Engineering, Electrician, or a variety of careers in the IT Industry.

Computer Studies and Computer Science: Grades 10, 11, and 12: ICS 2O0, ICS 3U0, ICS 4U0
Do you like to program and understand how a computer works? Then Computer and Information Science may be the perfect fit for you! You will learn problem solving and analysis, skills which can be applied anywhere. Computer programming is the core concept in this course, culminating in students producing games, and graphics. Web design and the computer industry are also addressed, with a focus on design principles and graphics. Career pathways include those in the computing industry, programming, Information Technology, Engineering, and a variety of other specializations.

Technological Design: Grade 10 TDJ2O0
Do you like to create, design, and construct your original ideas? Are you considering a career in Architecture, Landscape Architecture, and/or Engineering? Then Technological Design is the course for you. You will learn how to develop design ideas, draft them using AutoCad and other presentation software, and construct graphic displays, prototypes and scale models.

Technological Design- Construction Focus: TDJ 3M0
Technological Design, Construction, will allow students to design and build projects with a woodworking focus. Students may take both Tech. Design courses (TDJ3M0 and TDA3M0); particularly if they are interested in the Landscape Design and Construction High Skills Major (see below). This course will be of interest to students who want to learn more about woodworking, construction techniques, and associated machinery.

Technological Design – Architectural Design Focus: TDA3M0, TDA4M0
If you are creative and like graphic design, illustration and 2D/3D computer modeling then this course is for you. Your ideas about architecture, landscape architecture and engineering are used to progress through a series of sketches, prototypes and models (cardboard and wood) to produce cutting-edge designs. This course is intended for those students interested in one of these careers and who would like to develop and produce material for their portfolios.

Both TDJ3M0 and TDA3M0 may be used as the prerequisite for TDA 4M0.

Transportation Technology: Grades 10, 11, and 12: TTJ 2O0, TTJ 3C0, TTJ 4C0
Do you like cars and other transportation systems (small and large engines, watercraft, and airplanes)? In the Transportation Technology program students will learn how to service, repair, modify, and maintain vehicles. Students will use state of the art diagnostic equipment and hand and power tools to service and repair vehicles, and to design new modes of innovative transportation. Careers include those in the Automotive service industry, Automotive design, and other Transportation and Automotive pathways.

Technology Education starts here!

PREREQUISITE CHARTS for TECHNOLOGICAL EDUCATION

These charts map out all of the courses in the technology discipline offered at SLSS and show the link between courses and the possible prerequisites for them.

Please note: although highly recommended, no prerequisite is required for Grade 11 Technology programs.
However, Grade 11 courses are prerequisites for the Grade 12 courses.

COMMUNICATIONS TECHNOLOGY

Exploring Technologies Grade 9 Open TIJ 1O0

Communications Technology Grade 10 Open TGJ 2O0

Communications Technology Grade 11 University/ College TGJ 3M0

→

Communications Technology Grade 12 University/ College TGJ 4M0

COMPUTER ENGINEERING TECHNOLOGY

Exploring Technologies Grade 9 Open TIJ 1O0

Computer Technology Grade 10 Open TEJ 2O0

Computer Engineering Technology Grade 11 University/ College TEJ 3M0

→

Computer Engineering Technology Grade 12 University/ College TEJ 4M0

COMPUTER STUDIES AND COMPUTER SCIENCE

Exploring Technologies Grade 9 Open TIJ 1O0

Introduction to Computer Studies Grade 10 Open ICS 2O0

Introduction to Computer Science Grade 11 University ICS 3U0

→

Computer Science Grade 12 University ICS 4U0

TECHNOLOGICAL DESIGN

Exploring Technologies Grade 9 Open TIJ 1O0

Technological Design Grade 10 Open TDJ 2O0

Technological Design- Design Focus Grade 11 University/ College TDA 3M0

Technological Design- Construction Focus Grade 11 University/ College TDJ 3M0

→

Technological Design Grade 12 University/ College TDA 4M0

TRANSPORTATION TECHNOLOGY

Exploring Technologies Grade 9 Open TIJ 1O0/107

Transportation Technology Grade 10 Open TTJ 2O0

Transportation Technology Grade 11 College TTJ 3C0

→

Transportation Technology Grade 12 College TTJ 4C0

Technology Education starts here!