

Communications Technology, Grade 12, University/College Preparation (TGJ4M)

This course enables students to further develop media knowledge and skills while designing and producing projects in the areas of live, recorded, and graphic communications. Students may work in the areas of TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also expand their awareness of environmental and societal issues related to communications technology and will investigate career opportunities and challenges in a rapidly changing technological environment. Prerequisite: Communications Technology, Grade 11, University/College Preparation *Bawating, CASS, Elliot Lake, Korah, SJD and White Pines only*

Construction Engineering Technology, Grade 12, College Preparation (TCJ4C)

This course enables students to further develop knowledge and skills related to residential construction and to explore light commercial construction. Students will gain hands on experience using a variety of materials, processes, tools, and equipment and will learn more about building design and project planning. They will continue to create and interpret construction drawings and will extend their knowledge of construction terminology and of relevant building codes and regulations, as well as health and safety standards and practices. Students will also focus on environmental and societal issues related to construction engineering technology, and explore career opportunities in the field. Prerequisite: Construction Engineering Technology, Grade 11, College Preparation *Bawating, CASS, Elliot Lake, Korah, Michipicoten, SJD, WC Eaket, and White Pines only. At WC Eaket this course is offered as a 1 or 2 credit package.*

Manufacturing Technology, Grade 12, College Preparation (TMJ4C)

This course enables students to further develop knowledge and skills related to machining, welding, print reading, computer numerical control (CNC), robotics, and design. Students will develop proficiency in using mechanical, pneumatic, electronic, and computer control systems in a project-based learning environment and may have opportunities to obtain industry-standard training and certification. Students will expand their awareness of environmental and societal issues and career opportunities in the manufacturing industry. Prerequisite: Manufacturing Technology, Grade 11, College Preparation *Bawating, CASS, Elliot Lake, Korah, SJD, WC Eaket and White Pines only*

Technological Design in the Twenty-first Century, Grade 12, Open (TDJ4O)

This course focuses on the relationship between society and technological development. Students will use appropriate tools, techniques, and strategies to research, design, build, and assess prototypes for products and/or processes that respond to society's changing needs. Students will describe how social factors, including culture, media, politics, religion, and environmental concerns, influence technological design. Students will also learn about professional practices in the field, and will research postsecondary pathways leading to careers related to technological design. Prerequisite: None *Alexander Henry and Michipicoten only*

Transportation Technology: Vehicle Maintenance, Grade 12, Workplace Preparation (TTJ4E) TDS4E

This course introduces students to the servicing, repair, and maintenance of vehicles through practical applications. The course is appropriate for all students as a general interest course to prepare them for future vehicle operation, care, and maintenance or for entry into an apprenticeship in the motive power trades. Students will develop an awareness of environmental and societal issues related to transportation and will learn about careers in the transportation industry and the skills and training required for them. Prerequisite: None *Alexander Henry, CASS, Elliot Lake, WC Eaket, and Korah only*