

Quetico

College School

Northwestern Ontario Canada



Passion, Dedication and Excellence for Life

WELCOME TO OUR SCHOOL

FAMILY HANDBOOK

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This Handbook provides basic information about Quetico College School, allowing you the opportunity to learn more about what we have to offer, plan the courses that best suit your needs, and see what our school year looks like on a calendar. It will also give insight into the multitude of other activities that we provide at the school.

Enclosed with this Handbook, you will find a registration form. We would be pleased to review your application: please complete the form and forward it to us by mail or electronically.

If at any time you have questions to which this guide lacks answers, you wish to speak with a school representative or with the headmaster, or you would like to arrange a tour of our campus, please do not hesitate to get in touch.

We can be reached at: (807) 598-1600 or (800) 753-1747.

Thank you kindly for considering our school.



Even in the winter it's beautiful here.

WHAT MAKES OUR SCHOOL UNIQUE?



NO EXTRA BILLINGS

→ A LOCATION THAT MATTERS →

ONTARIO CERTIFIED TEACHING STAFF

STUDENT SPORTS & LEADERSHIP CERTIFICATIONS



ACTION SPORTS PARKS ON CAMPUS

EXTENDED CURRICULUM OFFERINGS

INSPIRING EXPEDITIONS & EXCHANGES



ENTRY AND EXIT SCHOLARSHIPS

REALLY SMALL CLASS SIZES

100 ACRE PROPERTY SITE



OVER ONE KILOMETRE OF SHORELINE



PRIVATE STUDENT ROOMS, WITH BATH

ACCOMMODATIONS FOR PARENTAL VISITS

RECREATION CENTRE WITH INDOOR POOL, GYM, FITNESS

BORDERING QUETICO PROVINCIAL PARK

ENVIRONMENTAL STEWARDSHIP

SERVICE IN A SMALL COMMUNITY



and NO EXTRA BILLINGS!

QUETICO COLLEGE SCHOOL

Passion, Dedication and Purpose for Life



Making the Decision Frequently Asked Questions from Parents



1. Why should we consider Quetico College School?

We've adopted a fresh approach to learning and are ready to charge ahead in project and inquiry-based education. We've linked partnerships with Northwestern Ontario organizations wanting to share in the birth of a school where creativity and challenge ring true. Through these partnerships, we've developed the trust of the local community, Lakehead University, Confederation College, Ontario Natural Resources and other groups.

In regard to the learning environment, our location is nothing short of breathtaking, with a long list of facilities developed over the years when our campus was a

former Conference Centre. Now, after meeting with Ministry of Education officials to confirm final details, we're ready to welcome you and your family to begin the journey of success for your son or daughter on his or her chosen life path.

2. Am I free to visit my son or daughter at school?

Absolutely. It is important for parents to feel comfortable with their child's school environment. As such, parents are always welcome to come and visit the school. Whether you are a prospective parent interested in a tour of the grounds, dormitories, classrooms and facilities, or you are the parent of an enrolled student, we encourage you to visit so you can become familiar with our school grounds. For overnight visits or extended stays, accommodations are available to parents and guardians of enrolled students.



3. How far will I have to travel if I want to visit Quetico College School?

We're a 2 hours drive west of Thunder Bay, or a 2 hour flight from downtown Toronto (15 daily flights between Toronto and Thunder Bay by Porter Airlines, WestJet or Air Canada). If you'd prefer to take the extremely scenic route, we are also a 17 hour beautiful drive northwest from Toronto.



4. What will my child's dormitory look like? Will he or she have a roommate?

Our most enviable offering for all students, outside of exemplary, caring teaching staff and a superb outdoor environment, is private accommodations. All dormitory rooms are single occupancy and contain a double bed, a study space with desk and chair, storage drawers and

shelves, and bathroom complete with full shower facilities. All rooms have panoramic windows. Just lift your blinds for a view of Eva Lake or the surrounding wilderness. Look out of the window early enough in the morning and you may even catch a glimpse of our elusive campus red fox. Our student dormitories provide the advantage of a vista that will allow homework prep with a touch of nature.

5. I've heard that you offer extracurricular certification programs for students.

What kind of programmes are included?

Graduating from Quetico College School prepared for life is enhanced through our numerous certification programmes.

Duke of Edinburgh's Award: The Duke of Edinburgh's Award empowers young people, ages 14 to 24, to Make a Difference in their own lives and the lives of others by exploring their potential, taking on new challenges and giving back through 4 components: Service to Community, learning or improving on New Skills, setting new goals for Physical Fitness, and completing an Adventurous Journey. We provide the ultimate location for completing all aspects of The Award, particularly the Adventurous Journey in the neighbouring wilderness.

Canfitpro In Curriculum Certification: Canfitpro is the leading global provider of fitness and wellness education. In co-operation with Canfitpro, our students will be able to achieve certification as a personal training specialist, fitness instructor specialist or nutrition and wellness specialist, one of the first steps for fitness enthusiasts wishing to pursue a career in the fitness industry.

National Coaching Certification Programme: By following a route that includes theory and practical components, this programme allows students to become competent, certified coaches in any sport.

Lifesaving Society: All students will be encouraged to achieve a minimum Bronze Medallion with the ultimate goal being NLS certification.

First Aid/CPR: Basic first aid and CPR is mandatory and will be provided for all students. Additional studies will promote wilderness and emergency first aid.



6. What about physical education and sports clubs? Will my son or daughter be able to take full advantage of your outdoor setting? What will they do for activity during the winter?

In addition to the 100 acres of forested hiking terrain along with almost a kilometre of swimmable shoreline, Quetico College School campus features athletic facilities that allow us to offer a comprehensive list of sports all year round. Outdoor playing fields, tennis courts, freestyle action sports parks and mountain bike trails provide facilities for personal growth as well as competitions. Indoor facilities include a swimming pool, full-sized gymnasium, and fitness centre. Whenever possible, inter-school competitions are organized; however, the main focus is intra-mural athletics.

Fall Sports

Action Sports
Canoeing & Sailing
Mountain Biking
Field Hockey
Soccer
Hiking
Archery

Winter Sports

Badminton
Basketball
Hockey
Skiing & Snowboarding
Nordic Skiing
Indoor Swimming
Volleyball
Personal Fitness

Spring Sports

Action Sports
Baseball
Track & Field
Kayaking
Mountain Biking
Rugby
Tennis

7. What are some of the overall advantages your school can offer my child?

The following is a brief review of the advantages of Quetico College School:

- ★ Listed by the Ontario Ministry of Education
- ★ College and University level courses from Grades 9 to 12
- ★ Continuous monitoring of progress
- ★ Small school population, small class sizes
- ★ Personal attention
- ★ A perfect mix of subjects in such a great environment
- ★ Convenient yet unique location: 4 hours from Toronto downtown
- ★ The joy of the outdoors: surrounded by miles of pristine wilderness
- ★ 100 acres of forested property
- ★ Almost 1 kilometre of shoreline on a crystal clear trout reserve
- ★ Individual rooms for all students, complete with full washroom, desk
- ★ No traffic, congestion or worries compounded by urban settings
- ★ Dedicated, on-site staff and teachers
- ★ Full leadership programme including Duke of Edinburgh's Award
- ★ Superb sports facilities, indoors and out.
- ★ Indoor pool, gymnasium and personal training facilities
- ★ The only private school with a full-sized Action Sports freestyle park
- ★ Four student lounge areas with smoothie bar and café
- ★ Full service dining facilities operated by school staff
- ★ Close ties to nearby Lakehead University and Confederation College
- ★ Boarding and tuition fees that include the extras
- ★ Outdoor programmes dovetailed into the curriculum
- ★ One short portage by canoe to Quetico Provincial Park
- ★ Curriculum includes courses in the environment, resource management, green industries, tourism and hospitality.
- ★ Fulfillment of requirements for Community Service by on-going engagement with the local community
- ★ Parents encouraged to visit the school: suites always available for overnight stays
- ★ Room to breathe

8. I want to make sure my child's boarding school life will be structured and reliable. What will the students' daily schedule look like?

At Quetico College School, we feature a full schedule that focuses on a well-balanced day, incorporating class, study, extracurricular, sport, and recreational time. Here is what our students' schedule will look like, for the most part.

Monday-Friday

7:30-8:00 Breakfast
8:30-8:45 Morning Meeting
8:45-12:00 Morning classes
12:00-1:00 Lunch
1:00-3:30 Afternoon classes
3:45-5:30 Sports/Extracurriculars
5:30-6:30 Dinner
7:00-9:00 Evening study
9:00-10:00 Evening activities
10:00-11:00 Quiet Time
11:00 Lights out

Saturday

7:45-8:15 Breakfast
8:45-12:00 Morning Classes
12:00-12:45 Lunch
1:30-5:00 Sports Programmes
5:30-6:30 Dinner
7:00-10:00 Evening Activities
11:00 Lights out

Sunday

9:30-11:30 Brunch
12:30-5:00 Activities
5:30-6:30 Dinner
7:00-9:00pm Study
9:00-10:00 Activities
10:00 Quiet time
11:00PM Lights out

** Additional weekend activities offered will include: Academic tutoring, Project-Based learning initiatives, Sport mentorship, sports trips and Community involvement projects**

natural and human systems within Canada, as well as Canada's economic, cultural and environmental connections to other countries. Students will use a variety of geotechnologies and inquiry and communication methods to analyze and evaluate geographic issues and present their findings.

***Civics (CHV2O) 0.5 credit – Open**

This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy in local, national, and global contexts, about political reactions to social change, and about political decision-making processes in Canada. They will explore their own and others' ideas about civics questions and learn how to think critically about public issues and react responsibly to them.

English

*** English (ENG1D) - Academic**

This course is designed to develop the oral communication, reading, writing, and media literacy skills that students need for success in their secondary-school academic programs and in their daily lives. Students will analyze literary texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the Grade 10 academic English course, which leads to university or college preparation courses in Grades 11 and 12.

French as a Second Language

*** Core French (FSF1D) - Academic**

Focusing on divergent backgrounds, this course establishes a firm development of oral/written French supplemented with text readings, short stories and articles on topics of interest in varying fields. The course reviews regular-irregular present tense verbs, introduces the futur proche and passe compose and continues the introduction, development and use of basic structures (articles, adjectives, adverbs). (Prerequisite: Minimum 600 hours of French instruction, or equivalent)

Health and Physical Education

*** Healthy Active Living Education (PPL1O) - Open**

This course will introduce students to a variety of physical activities that promote lifelong healthy active living; canoeing, kayaking, cross-country skiing, snowshoeing, orienteering, astronomy, knot making, ecology, cooking, nutrition, edible plants and health issues. Students will also participate in overnight outtrips including sleeping in snow Quinzhees and/or a wilderness survival experience, whereby they learn how to build shelters and thrive in the abundance nature has to offer. CPR and emergency first aid are compulsory components of this course, arming the students with life-saving skills appropriate for back-country travel.

Mathematics

*** Principles of Mathematics (MPM1D) - Academic**

With this course and MPM2D, a student wishing to proceed into the senior division university preparation courses will have a good grounding. This subject is designed to teach the student methodical problem solving in the areas of algebra, equations, integers, rational numbers, powers, polynomials, factoring and co-ordinate geometry.

Science

*** Science (SNC1D) - Academic**

This course serves as a foundation for the more specialized courses in the higher grades. The core units were chosen to provide a balance of environmental, life and physical sciences. The major focus is a deliberate attempt to relate science to the

everyday life of the students. This is accomplished in the "Application" and "Societal Implications" sections of each unit. The units included in the course are the structure of matter, chemical change, magnetism and electricity, the cell, green plants, food and energy, and science in society.

Guidance and Career Education

***Career Studies (GLC2O) 0.5 credit – Open**

This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores postsecondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan.

Description of Courses for Grade 10

(Students must take * compulsory subjects - and choose three (3) other Grade 10 subjects.)

The Arts

Media Arts (ASM2O) - Open

This course enables students to create media art works by exploring new media, emerging technologies such as digital animation, and a variety of traditional art forms such as film, photography, video, and visual arts. Students will acquire communications skills that are transferable beyond the media arts classroom and develop an understanding of responsible practices related to the creative process. Students will develop the skills necessary to create and interpret media art works.

Canadian and World Studies

*** Canadian History Since World War 1 (CHC2D) - Academic**

This course explores the local, national, and global forces that have shaped Canada's national identity from World War I to the present. Students will investigate the challenges presented by economic, social, and technological changes and explore the contributions of individuals and groups to Canadian culture and society during this period. Students will use critical-thinking and communication skills to evaluate various interpretations of the issues and events of the period and to present their own points of view. (Prerequisite: None)

Computer Studies

Introduction to Computer Studies (ICS2O) – Open

This course introduces students to computer programming. Students will plan and write simple computer programs by applying fundamental programming concepts, and learn to create clear and maintainable internal documentation. They will also learn to manage a computer by studying hardware configurations, software selection, operating system functions, networking, and safe computing practices. Students will also investigate the social impact of computer technologies, and develop an understanding of environmental and ethical issues related to the use of computers. Prerequisite: None

English

*** English (ENG2D) - Academic**

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary-school academic program and in their daily lives. Students will analyze literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course. (Prerequisite: ENG1D or ENG1P)

French as a Second Language

Core French (FSF2D) - Academic

Students will increase their knowledge of the French language, further develop their language skills and deepen their understanding and appreciation of francophone culture around the world. Students will develop and apply critical thinking skills in their discussion, in their analysis and interpretation of texts, and in their own writing. (Prerequisite: FSF1D or FSF1P)

Health and Physical Education

Outdoor Activities (PAD2O) Open

This course builds on skills developed in the previous year emphasizing a wide variety of outdoor activities that promote lifelong healthy active living. Students will kayak, solo canoe, rock climb, navigate, winter camp, Nordic ski, snowshoe, play ice hockey and broomball and other group sports. Experiential classes are designed to promote informed decision-making, conflict resolution and social skills. Activities that are more complex will challenge the students, tap their physical reserves and contribute to ongoing character development. (Prerequisite: None)

Mathematics

* Principles of Mathematics (MPM2D) - Academic

The course is designed to develop confidence in basic operations and skills that will benefit the student in later grades. It will broaden their ability to understand relations, extend their skills in multi-step problem solving and expand their abstract thinking. Units will include triangles and trigonometry, analytic geometry, linear systems, and quadratic functions. (Prerequisite: MPM1D or MPM1P)

Science

* Science (SNC2D) - Academic

This course is intended to be a continuation of the work completed in Grade 9 and provide a deeper understanding of concepts in biology, chemistry, earth and space science and physics. Students will conduct investigations related to maintenance of ecosystems, chemical reactions, and motion and weather dynamics. (Prerequisite: SNC1D or SNC1P)

Technological Education

Technological Design (TDJ2O) – Open

This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary education and training leading to careers in the field. Prerequisite: None

Green Industries (THJ2O) – Open

This course introduces students to the various sectors of the green industries – agriculture, forestry, horticulture, forestry, and landscaping. Using materials, processes, and techniques commonly employed in these industries, students will participate in a number of hands-on projects that may include plant or animal propagation; production, maintenance, and harvesting activities; the development of floral or landscaping designs; and/or related construction activities. Students will also develop an awareness of environmental and societal issues related to green industry activities, learn about safe and healthy working practices, and explore secondary and postsecondary education and training pathways and career opportunities in the various industry sectors. Prerequisite: None

Description of Courses for Grade 11

(Students entering Grade 11 must take a minimum of 7 courses. * English and mathematics are compulsory courses in Grade 11)

The Arts

Media Arts (ASM3M) – University/College Preparation

This course focuses on the development of media arts skills through the production of art works involving traditional and emerging technologies, tools, and techniques such as new media, computer animation, and web environments. Students will explore the evolution of media arts as an extension of traditional art forms, use the creative process to produce effective media art works, and critically analyze the unique characteristics of this art form. Students will examine the role of media artists in shaping audience perceptions of identity, culture, and values. Prerequisite: Media Arts, Grade 10, Open

Business Studies

Financial Accounting Fundamentals, (BAF3M) - University/College Preparation

This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis, and ethics and current issues in accounting. Prerequisite: None

Canadian and World Studies

World History to the Sixteenth Century (CHW3M) – University/College Preparation

This course investigates the history of humanity from earliest times to the sixteenth century. Students will analyze diverse societies from around the world, with an emphasis on the political, cultural, and economic structures and historical forces that have shaped the modern world. They will apply historical inquiry, critical-thinking, and communication skills to evaluate the influence of selected individuals, groups, and innovations and to present their own conclusions. Prerequisite: Canadian History Since World War I, Grade 10, Academic or Applied

Understanding Canadian Law (CLU3M) - University/College Preparation

This course explores legal issues that directly affect students' lives. Students will acquire a practical knowledge of Canada's legal system and learn how to analyze legal issues. They will also be given opportunities to develop informed opinions on legal issues and to defend those opinions and communicate legal knowledge in a variety of ways and settings, including legal research projects, mock trials, and debates. (Prerequisite: CHC2D or CHC2P)

Physical Geography: Patterns, Processes and Interactions (CGF3M) – University/College

This course examines the major patterns of physical geography and the powerful forces that affect them. Students will investigate the dynamic nature of the earth, the evolving relationship between the planet and its people, and the factors that limit our ability to predict the changes that will occur. Students will use a wide range of geotechnologies and inquiry methods to investigate the distribution and interaction of the elements of their physical environment and to communicate their findings.

Prerequisite: Geography of Canada, Grade 9, Academic or Applied

English

* English (ENG3U) – University Preparation

This course emphasizes the development of literacy, critical thinking, and communication skills. Students will analyze challenging texts from various periods; conduct research and analyze the information gathered; write persuasive and literary essays; and analyze the relationship among media forms, audiences, and media industry practices. An important focus will be on understanding the development of the English language. (Prere: ENG2D)

French as a Second Language

Core French (FSF3U) – University Preparation

This course draws on a variety of themes to promote extensive development of reading and writing skills and to reinforce oral communication skills. Students will gain a greater understanding of French-speaking cultures in Canada and around the world through their reading of a variety of materials, including a short novel or a play. Students will produce various written assignments, including a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course. (Prerequisite: FSF2D)

Health and Physical Education

Outdoor Pursuits – Advanced Outdoor Skills (PAD30) - Open

This course is open to students in Grade 11 or 12 who are experienced in outdoor activities and would like to improve their skills and develop additional certification in outdoor pursuits. (Prerequisite: PAD20 or permission of instructor)

Mathematics

* Functions (MCR3U) - University Preparation

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems. (Prerequisite: MPM2D)

Science

Biology (SBI3U) - University Preparation

This course furthers students' understanding of the processes involved in biological systems. Students will study cellular functions, genetic continuity, internal systems and regulation, the diversity of living things, and the anatomy, growth, and functions of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation. (Prerequisite: SNC2D)

Chemistry (SCH3U) - University Preparation

This course focuses on the concepts and theories that form the basis of modern chemistry. Students will study the behaviours of solids, liquids, gases, and solutions; investigate changes and relationships in chemical systems; and explore how chemistry is used in developing new products and processes that affect our lives and our environment. Emphasis will also be placed on the importance of chemistry in other branches of science. (Prerequisite: SNC2D)

Physics (SPH3U) – University Preparation

This course develops students' understanding of the basic concepts of physics. Students will study the laws of dynamics and explore different kinds of forces, the quantification and forms of energy (mechanical, sound, light, thermal, and electrical), and the way energy is transformed and transmitted. They will develop scientific-inquiry skills as they verify accepted laws and solve both assigned problems and those emerging from their investigations. Students will also analyze the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment. (Prerequisite: SNC2D)

Social Sciences and the Humanities

Hospitality and Tourism (TFJ3C) – College Preparation

This course enables students to develop or expand knowledge and skills related to hospitality and tourism, as reflected in the various sectors of the tourism industry. Students will learn about preparing and presenting food, evaluating facilities, controlling

inventory, and marketing and managing events and activities, and will investigate customer service principles and the cultural and economic forces that drive tourism trends. Students will develop an awareness of health and safety standards, environmental and societal issues, and career opportunities in the tourism industry. Prerequisite: None

Technological Education

Communications Technology (TGJ3M) - University/College Preparation

This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include 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 develop an awareness of related environmental and societal issues, and will explore college and university programs and career opportunities in the various communications technology fields. Prerequisite: None

Green Industries (THJ3M) – University/College Preparation

This course enables students to develop knowledge and skills related to agriculture, forestry, horticulture, and landscaping. Students will study the identification, growth, and management of plants and animals and develop process, design, and management skills required in the green industries. Students will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and will explore postsecondary education programs and career opportunities. Prerequisite: None

Courses of study for GRADE 12

(Students must take English and are strongly encouraged to take mathematics, a science, and an arts course to fulfill a minimum schedule of six (6) courses.)

The Arts

Media Arts (ASM4M) - University/College Preparation

This course emphasizes the refinement of media arts skills through the creation of a thematic body of work by applying traditional and emerging technologies, tools, and techniques such as multimedia, computer animation, installation art, and performance art. Students will develop works that express their views on contemporary issues and will create portfolios suitable for use in either career or postsecondary education applications. Students will critically analyze the role of media artists in shaping audience perceptions of identity, culture, and community values. Prerequisite: Media Arts, Grade 11, University/College Preparation

Business Studies

Financial Accounting Principles (BAT4M) - University/College Preparation

This course introduces students to advanced accounting principles that will prepare them for postsecondary studies in business. Students will learn about financial statements for various forms of business ownership and how those statements are interpreted in making business decisions. This course expands students' knowledge of sources of financing, further develops accounting methods for assets, and introduces accounting for partnerships and corporations. Prerequisite: Financial Accounting Fundamentals, Grade 11, University/College Preparation

Canadian and World Studies

Canadian and World Issues: A Geographic Analysis (CGW4U) – University Preparation

This course examines the global challenges of creating a sustainable and equitable future, focusing on current issues that illustrate these challenges. Students will investigate a range of topics, including cultural, economic, and geopolitical relationships, regional disparities in the ability to meet basic human needs, and protection of the natural

environment. Students will use geotechnologies and skills of geographic inquiry and analysis to develop and communicate balanced opinions about the complex issues facing Canada and a world that is interdependent and constantly changing . Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities

The Environment and Resource Management (CGR4M) - University/College Preparation
This course investigates the complexity and fragility of ecosystems and the pressures human activities place on them. Students will examine ecological processes, the principles of sustainability, and strategies for resource management, with a focus on the challenges of environmental degradation and resource depletion. Students will use geotechnologies and skills of geographic inquiry to explain and evaluate various approaches to achieving a more sustainable relationship between people and their environment. Prerequisite: Any university, university/college, or college preparation course in Canadian and world studies, English, or social sciences and humanities

Canada: History, Identity, and Culture (CHI4U) – University Preparation
This course explores the challenges associated with the formation of a Canadian national identity. Students will examine the social, political, and economic forces that have shaped Canada from the pre-contact period to the present and will investigate the historical roots of contemporary issues from a variety of perspectives . Students will use critical-thinking and communication skills to consider events and ideas in historical context, debate issues of culture and identity, and present their own views.
Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities

English
*** English (ENG4U) - University Preparation**
This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will analyze a range of challenging texts from various time periods, countries, and cultures; write analytical and argumentative essays and a major paper for an independent literary research project; and apply key concepts to analyze media works. An important focus will be on understanding academic language and using it coherently and confidently in discussion and argument. (Prerequisite: ENG3U)
(This English course is mandatory for entrance into Ontario universities.)

French as a Second Language
Core French (FSF4U) - University Preparation
This course draws on a variety of themes to promote extensive development of French-language skills. Students will consolidate their oral skills as they discuss literature, culture, and current issues. They will read a variety of texts and will write a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course. (Prerequisite: FSF3U)

Health and Physical Education
Exercise Science (PSE4U) – University Preparation
This course focuses on the study of human movement and of systems, factors, and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sports, and the factors that influence an individual's participation in physical activity. Students are prepared for university programs in physical education, kinesiology, recreation, and sports administration. (Prerequisite: Any Grade 11 university or university/college preparation course in Science, or any Grade 11 or 12 open course in Health and PE.)

Recreation and Fitness Leadership (PLF4C) - College Preparation
This course focuses on the development of leadership and coordination skills related to recreational activities. Students will acquire the knowledge and skills required to plan,organize,and implement recreational events. They will also learn how to promote the value of physical fitness, personal well-being,and personal safety to others through mentoring. The course will prepare students for college programs in recreational,leisure,and fitness leadership. Prerequisite:Any Grade 11 or 12 open course in health and physical education

Mathematics
Advanced Functions (MHF4U) – University Preparation – Concurrently or Prerequisite for Calculus & Vectors
This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students who plan to study mathematics in university and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.
(Prerequisite: MCR3U, or MCT4C)

Calculus and Vectors (MCV4U) - University Preparation
This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors, and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the modeling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering. (Prerequisite: MHF4U – concurrently or prerequisite)

Science
Biology (SBI4U) - University Preparation
This course provides students with the opportunity for in-depth study of the concepts and processes associated with biological systems. Students will study theory and conduct investigations in the areas of metabolic processes, molecular genetics, homeostasis, evolution, and population dynamics. Emphasis will be placed on achievement of the detailed knowledge and refined skills needed for further study in various branches of the life sciences and related fields. (Prerequisite: SBI3U)

Chemistry (SCH4U) - University Preparation
This course enables students to deepen their understanding of chemistry through the study of organic chemistry, energy changes and rates of reaction, chemical systems and equilibrium, electrochemistry, and atomic and molecular structure. Students will further develop problem-solving and laboratory skills as they investigate chemical processes, at the same time refining their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in daily life, and on evaluating the impact of chemical technology on the environment. (Prerequisite: SCH3U)

Physics (SPH4U) - University Preparation
This course enables students to deepen their understanding of the concepts and theories of physics. Students will explore further the laws of dynamics and energy transformations, and will investigate electrical, gravitational, and magnetic fields; electromagnetic radiation; and the interface between energy and matter. They will further

develop inquiry skills, learning, for example, how the interpretation of experimental data can provide indirect evidence to support the development of a scientific model. Students will also consider the impact on society and the environment of technological applications of physics. (Prerequisite: SPH3U)

Social Sciences and the Humanities

Food and Nutrition Sciences (HFA4M) - University/College Preparation

This course examines various nutritional, psychological, social, cultural, and global factors that influence people's food choices and customs. Students will learn about current Canadian and worldwide issues related to food, frameworks for making appropriate dietary choices, and food-preparation techniques. This course also refines students' skills used in researching and investigating issues related to food and nutrition. Prerequisite: Any university, university/college, or college preparation course in social sciences & humanities, English, or Canadian & world studies

Technological Education

Green Industries (THJ4M) – University/College Preparation

This course focuses on more complex concepts and skills related to the green industries. Students will focus on developing process skills, design and management techniques, and ways of enhancing environmental sustainability. They will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore career opportunities. The knowledge and skills acquired in this course will prepare students for more specialized studies at the college and university level. Prerequisite: Green Industries, Grade 11, University/College Preparation



A recent newspaper article about Quetico College School

Quetico College School to take a fresh approach to learning

by M.MCKINNON on JULY 3, 2015

QCS: San Diego school offers a successful model for project-based learning

By Jessica Smith

Quetico College School (QCS) aims to be on the cutting edge of a new, hands-on approach to learning, as the first high school in Canada to offer students an opportunity to explore 'real world' challenges – and develop their own solutions – in a dynamic classroom environment.

Project-based learning combines numerous subjects such as science, math, English, business studies, geography, art and design, and communications in a single project. While students will be taught, graded and earn credits based on the Ministry of Education's OSSD curriculum, it's the approach to instruction that will be unique.

The potential of project-based learning has been percolating in the mind of QCS owner Michael Heaton, a retired private boarding school teacher of Muskoka's Roseau Lakes College, for a little while. A former colleague suggested Heaton check out High Tech High (HTH), the first school in North America based on that hands-on approach to instruction. While on vacation in San Diego in March, Heaton toured the main campus "and was absolutely astonished in a positive way by what the school was doing."

HTH is the first of its kind in the US, and was conceived by a group of about 40 civic and high tech industry leaders. The goal was to find qualified individuals for the high-tech work force. Heaton, with two of his newly hired QCS teachers, met founding principal Larry Rosenstock (a former carpentry teacher, lawyer, and principal) at a three-day workshop for educators in May.

"He shared some ideas with me of how we can incorporate what we have here at QCS into our curriculum. Our classroom is Quetico Park and it will be so easy to adapt that, linking with the MNR on studies of aquatic life, different flora and fauna, tourism – especially in light of the drop in tourism numbers in the park," said Heaton. Students could choose an issue like declining tourism, research, and seek a solution to address those challenges.

The wilderness here provides an excellent opportunity for students to partner with community organizations, government agencies, and industry to use the tools they are learning in school and develop problem-solving skills to find solutions, said Heaton.

The school could conduct studies similar in nature to HTH's San Diego Bay Study which since 2003 has produced four books on what students deemed "pressing environmental priorities". Grade 11 students even explored the impact of the homeless population on the Bay's impact on the environment in the award-winning publication of Perspectives from the San Diego Bay: A Field Guide in which students used John Steinbeck's The Log from the Sea of Cortez as the model for a more humanitarian guide.

Another notable HTH class effort is the Blood Bank Project. In 2009, a team of twelfth-graders, lead by an art teacher and biology/multi-media teacher, collaborated with the San Diego blood bank to raise awareness of the need to donate blood. Students researched several blood-related topics (leukemia, AIDS, depictions of blood in films, its role in various religions), and created an informational video.

At QCS, students will be required to complete two projects each year. While each project is designed to meet curriculum requirements, it is "student-focused as much as possible," said Heaton. "The teachers do background to give students a guide of the expectation of the project, an exemplar, or starting point,"

Project-based learning is an adjustment for most educators.

"I was taught to be a geography teacher," said Heaton. "Teachers haven't been taught to combine a number of subjects. But the more I learned about this, the more it made sense. Students are graduating high school without employable skills; we have to do something as educators to make sure our graduates have skills to immediately get into the workplace, or college or university," said Heaton.

At HTH, 98% graduates have gone on to post-secondary education. Of those attending University, 78% graduate, compared to a state average of 38%. "It is unbelievable the results they are getting," he said.

The HTH model, which started in one school in 2000, has grown to 13 schools, K-12. Similar growth is being seen at University Technical College, which now has 30 schools across the UK. At these UTCs, education for students aged 14 to 18 focuses on areas where the country has a skills shortage, such as engineering, manufacturing, health sciences, product design, digital technologies. Someday, Heaton hopes the provincial government will recognize the value of such institutions by designating them charter schools, which would allow parents to direct their taxes to the school, as is allowed with Catholic schools. California's HTH is funded as a charter school, and in Britain, the UTCs are government-funded.

Until that day, QCS will have to charge tuition, but in attempt to attract students Heaton aims to keep it low. The all-inclusive cost to live at the boarding school is \$25,000 per year, compared with \$43,000 to \$60,000 at other private boarding schools in Ontario, he said. As well, the school will accept local students who attend classes but don't stay on-site at a reduced cost.

While Heaton is enthused to implement those strategies, the biggest hurdle remains enrolment. He is in almost daily contact with eight families who are seriously considering enrolling their children. The school needs to attract at least six students in its first year to gain recognition from the Ministry. After one year of operation, the Ministry would then allow QCS to market to student families overseas.

In anticipation of this fall's start-up, Heaton has hired two teachers, both of whom attended the HTH workshops with him. Graeme Smith and Grace MacMillan will arrive on-site in August, and if QCS doesn't have enough students to operate in the fall their role will be exhaustive marketing of the facility.

In the past year, rental revenue has helped keep Heaton's boarding school dream afloat. Resolute Forest Products rented space for workers there during the Sapawe mill's construction, while the MNR and Ontario Parks have also used it for accommodation and training. QCS now also offers a public RV campground. This summer, the site will host about 100 people for a family reunion in July, as well as a two-week BMX summer camp taught by some pro riders, and followed up by a BMX Jam August 14.

(The BMX park (which will soon be enclosed to allow winter activities) is open to the public; riders need only sign a waiver to use the facilities.)

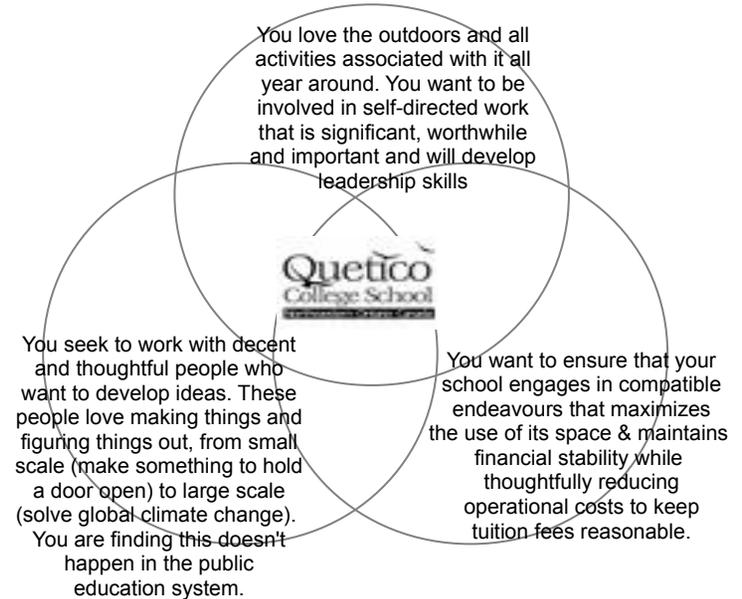


The 3 interlocking circles of Quetico College School



This aerial photo shows our outdoor action sports park. The cleared area beside the park is the location for our new action sports park building to provide additional year-round facilities. Our property includes everything shown in this photo.

Our annual August BMX Jam competition draws riders from near and far to enjoy our action sports park: the largest of its type in Northwestern Ontario. The event concludes a week of learning and progress under the watchful eyes of Pro riders.



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