

**KENNETH
GORDON
MAPLEWOOD
SCHOOL**



**HIGH SCHOOL
HANDBOOK
2024-2025**

KGMS HIGH SCHOOL PROGRAM



TABLE OF CONTENTS

KGMS High School Program	3
Experiential Learning	6
Bring Your Own Device (BYOD)	7
Dogwood Graduation Requirements	8
Additional Credit Options	10
The Course Request Process	11
	13

Course Overview

Courses

	English Language Arts	17
	Mathematics	19
	Sciences	23
	Social Studies	28
	Applied Design, Skills and Technology	30
	Arts	34
	Individual Directed Study	37
	Physical & Health Education	38
	Careers and Work Experience WEX	39

School Contacts	41
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KGMS HIGH SCHOOL PROGRAM

PROGRAM OVERVIEW

Kenneth Gordon Maplewood School is an inclusive education environment designed for neurodiverse students. Our high school combines academics, social interactions, work experience, personal advocacy and life skills. This is accomplished through engaging, supporting and empowering students. We use evidence-based and relationship-focussed approaches to learning that empower students to live lives of independence, joy, and contribution.

Every student at KGMS has an individual education plan (IEP). This ensures that courses and strategies are custom fit to the needs and aptitudes of the learner and provide opportunities for each young adult to succeed at their individual pace. Our highly trained and dedicated teaching, tutoring, and student services staff help students explore their own unique pathways for learning.

The core academic program meets the learning standards required by the BC Ministry of Education for the Certificate of Graduation, known as the [Dogwood graduation program](#). Core academic courses offered at KGMS include: English, Mathematics, Social Studies, and Sciences. These are compliment by further studies in Applied Design, Skills and Technology (ADST), Arts, Physical and Health Education and Career Education.

At KGMS, we believe there are multiple pathways to success. There is no “one size fits all” approach – the needs of each individual student drives the delivery and the destination of teaching and learning. Students are supported in developing individualised transition goals for after high school: university/college, certification programs, work, and more.



KGMS HIGH SCHOOL PROGRAM

ADAPTATIONS & MODIFICATIONS

In most areas, curriculum is taught with more teacher support than in a mainstream situation, and materials are adapted or modified to the student's needs. A student's yearly targeted goals are reflected in the student's Individual Education Plan (IEP).

An adapted program addresses the learning outcomes of the Ministry curriculum but provides adaptations so the student can participate in the program. These adaptations may include alternative formats for resources (e.g., read-write, large-font/text, off-white/coloured paper printing, books-on-tape), instructional strategies (e.g., use of interpreters, visual cues, learning aids), and assessment procedures (e.g., oral exams, additional time). Adaptations may also be made in areas such as skill sequence, pacing, methodology, materials, technology, equipment, services, and setting. Students on adapted programs are assessed using the curriculum standards and can receive full graduation credit.

Modified courses, including learning assistance time, may be an appropriate part of a student's schedule. These courses may not receive "credits" towards graduation, but would be in line with a student's IEP goals and objectives. Balancing these needs is done as a team: home, student, and school.

Our student-centred approach is unified by our mission, vision, and values:

KGMS MISSION, VISION & VALUES

**Inspiring Futures. Changing Lives.
Together.**



We are grateful to be living, working and learning on the unceded traditional and ancestral lands of the Coast Salish territory of the Skwxwú7mesh (Squamish), selílwituth (Tseil-Waututh) and x̣məθkʷəỵəm (Musqueam) nations.

COMMUNICATING STUDENT LEARNING

Students receive regular feedback on their learning through returned assignments, informal conferences, check ins, and self-reflections. Teachers will be in touch with families outside of formal reporting times when support or insight from home is needed. The regular and formal communications include:

Reporting on Student Learning:

- Quarter 1 Reports- November
- Learning Conferences- December
- Quarter 2 (Semester 1) Reports and Graduation Status Update- February
- Learning Conferences- March
- Quarter 3 Reports- April
- Quarter 4 (Semester 2) Reports and Graduation Status Update- June

Collaborating on IEPs:

- Home/School IEP Consultation- October
- Start of Year IEP- October
- Mid Year Update IEP- February
- End of Year IEP Update- June

Report cards are posted to MyEd Portal and emailed. IEPs are emailed. We recommend downloading the files for future reference. For more information on reporting click [HERE](#).

HABITS OF LEARNING

Students receive feedback on their work habits, keeping in mind IEP goals and their unique learning profile.

Habits of Learning that students are expected to grow include:

time management, task prioritisation, self regulation, use of technology, task switching, organising material, self monitoring, and self advocacy.

- M Mastering
- D Developing
- E Emerging
- N Needs Intervening

GRADING LEARNING

KGMS is working towards standards-based grading. This is in line with the 2018 curricular updates from the BC Ministry of Education.

Students in Grades 10-12 receive letter and number grades in their courses. The bands are below, and are established by the BC Ministry of Education.

- A 86-100%
- B 73-85%
- C+ 67-72%
- C 60-66%
- C- 50-59%
- F 0-49%
- IE Insufficient Evidence

KGMS HIGH SCHOOL PROGRAM | EXPERIENTIAL LEARNING

Learning happens in many places, from many teachers.

While our school days are anchored by a regular class schedule that is predictable, we organize purposeful interruptions to that routine to be able to take field trips, engage in community work, foster a culture of positive connection and contribution, and practice our skills and knowledge in real-life settings.

Students will be given information, training, support and reflection to have these experiences be the right kind of challenge. We are committed to our experiences being accessible for each student. A few of our experiential highlights include:



FIELD TRIPS



OUTDOOR SCHOOL



VOLUNTEER DAY



KGMS HIGH SCHOOL PROGRAM | BRING YOUR OWN DEVICE (BYOD)

SPECIFICATIONS FOR DEVICES



- Compatible with Google Suite for Education
- Full sized keyboard (not screen-only)
- Smartphones and small tablets are not recommended
- Laptops, Chromebooks, and full-sized tablets that have the following:
 - CPU/Processor: Any processor made within the last two years
 - Hard Drive: 250GB is recommended
 - Memory: 4GB RAM minimum
 - Operating System: English language, Windows, MacOS
 - WiFi: 802.11N or higher
 - Battery Life: Min. 6 hours
 - Extended warranty recommended (e.g. AppleCare+, extended home insurance covering device breakage, theft and maintenance)

MAINTENANCE, TROUBLESHOOTING AND REPAIRS

- We will provide initial assistance to join the school network, and ongoing troubleshooting with network access including wifi and passwords.
- Hardware issues will be the responsibility of students/families.
- Purchasing additional insurance/warranty is recommended.
- KGMS will not be responsible for loss, theft, or damage to devices.

EXPECTATIONS OF STUDENTS

- Bring a working, fully charged device to school every day
- Bring a charger to school every day
- Know how to use the device
- Use the device during class time for school work only
- Maintain network security, including Technology User Agreement
- Alert a parent/guardian if their device needs maintenance or repair
- Take care of their device while at school, including knowing where it is at all times
- Not using, taking, or hiding the devices of others
- Ask for a daily loaner at the start of the day if needed

BC CERTIFICATE OF GRADUATION 'DOGWOOD DIPLOMA'

COURSE CREDITS

80 credits from Grade 10 - 12 courses

- 52 required credits
- 28 elective credits

16 of the credits must be from Grade 12 courses

4 of the credits must be from an Indigenous-focussed course.

REQUIRED CREDITS

English Language Arts

- 12 credits

Mathematics

- 8 credits

Science

- 8 credits

Social Studies

- 8 credits

Physical Education

- 4 credits

ADST & Arts

- 4 credits

Career Education

- 8 credits

ELECTIVE CREDITS

28 elective credits from courses of choice, across a range of options.

Students choose courses from a variety of areas based on post-secondary program requirements and their interests.

PROVINCIAL ASSESSMENT

- Grade 10 Numeracy
- Grade 10 Literacy
- Grade 12 Literacy



The [School Completion Certificate](#) (Evergreen Certificate) is an additional option for high school completion. It is not currently offered at KGMS.

DOGWOOD GRADUATION REQUIREMENTS

DOGWOOD COURSE CREDITS

Students must complete a minimum of 80 credits, although most students will surpass this benchmark. 52 of these credits are required, and 28 are elective; this guide will demonstrate which courses are required and which are elective. KGMS is responsible for ensuring that each student's progress towards graduation is clear. Graduation status updates are provided twice per year, with the Semester 1 and Semester 2 report cards.

For more on the BC Graduation Program, click [HERE](#).

PROVINCIAL GRADUATION ASSESSMENTS

Students complete three provincial assessments between grade 10 and 12.

- Grade 10 Numeracy Assessment
- Grade 10 Literacy Assessment
- Grade 12 Graduation Literacy Assessment

Provincial assessments are graded by the Ministry of Education on a proficiency scale. There is no minimum score required. The assessments are not based on a specific course curriculum, but are based on cumulative learning since kindergarten. Assessments are scheduled in given windows (November, April, January, June)

For more on Graduation Assessments, click [HERE](#).

CAREER LIFE CONNECTIONS: CAPSTONE PROJECT

As a part of Career Life Connections in Grade 12, students must complete a Capstone Project and share it with teachers, peers, parents, and community members. This project is selected, designed, and executed by the student with the guidance of the Careers teacher. This project is meant to represent the learning the student has achieved throughout their school journey. Successfully, completing the Capstone Project is a provincial graduation requirement, and is done through Career Life Connections class in Grade 12.

CAREER LIFE CONNECTIONS: CAREER EXPLORATION (30 HOURS OR MORE)

Career-life exploration is work or volunteer experiences (30 hours or more) that are intended to expand and/or deepen student exposure to career-life possibilities. Through this CLC learning standard expectation, students can further refine their career-life goals and transferrable skills. Student interests, learning/independent living goals, and plans for post-graduation inform the nature of the career-life exploration component.



ADDITIONAL CREDIT OPTIONS



EXTERNAL CREDITS

The BC Ministry of Education authorizes certain courses and credentials for credit toward graduation that are developed outside the Ministry of Education and taken by students in British Columbia. In other words, students may earn credit for non-school courses, certification, and learnings.

Typical external credits include:

- Elite-level sports (training, coaching, officiating)
- Driver's Licensing courses
- First Aid certification
- First Nations language and culture programs

Students who have questions about earning external credits or believe they may qualify for external credits can ask their Advisor or the High School Principal.

Student should bring the correct documentation (approval letter or certificate) to their Advisor or Principal in order for external credit to be assessed and possibly added to their transcript.

For more information on external credits, click [here](#).

COURSE OFFERINGS OVERVIEW 2024-2025

USING THIS GUIDE

This guide will support students and families during the course selection process.

Students are not restricted to courses in their grade level and may request a combination of courses from across grades 10, 11 and 12 in line with their post-secondary goals, interests, and abilities. These requests will be taken into consideration and where possible will be honoured within the student's yearly schedule.

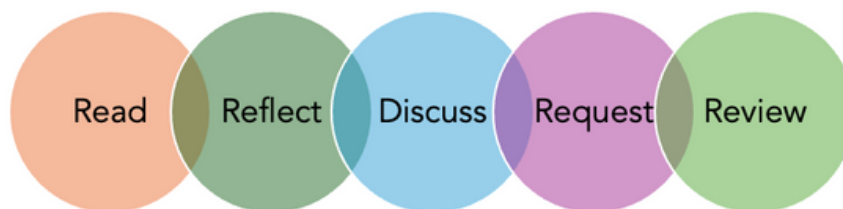


AVAILABILITY OF COURSES

To best meet the needs of the greatest number of our students, we base our decisions on a review of student interest and the best use of the academic resources of the school (teachers and spaces), student enrolment, and in accordance with graduation requirements. It may not always be possible to offer all of the courses listed in this Course Catalogue.

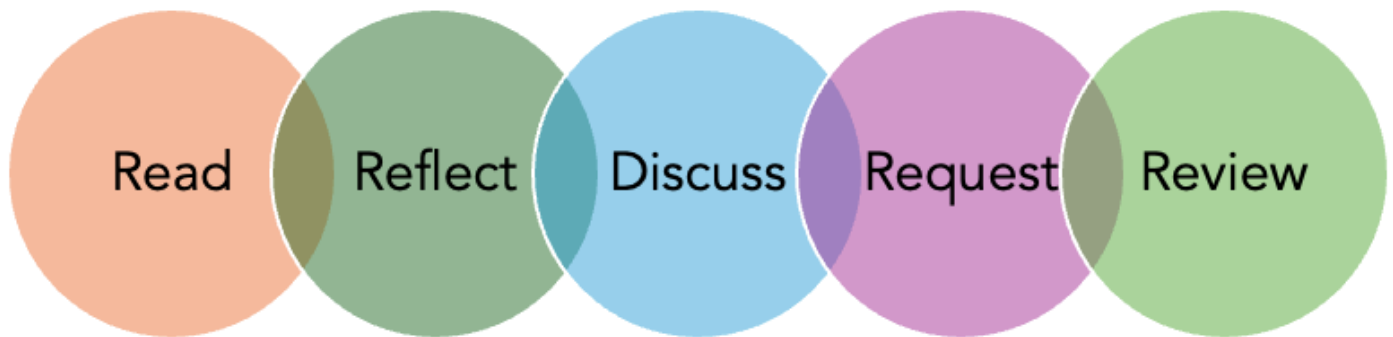
COURSE REQUEST PROCESS

A student's schedule is a collaborative process and includes student and family reflection, Advisor insight, and teacher consideration. See more on the next page.



Students must carefully select required and elective courses in consultation with their network of trusted adults. Students are offered a short course change window before the start of each Semester. Once a student has begun a course, it is expected that they will stay in that course.

COURSE SELECTION PROCESS



#1 Read and Participate- Students should read this handbook, participate actively in the course planning workshops, and engage in the course options fair during Support Blocks and Homeroom times in April. Parents and guardians are invited to the following:

- **Into Grade 11 and 12 Presentation-** Wednesday April 10th 7-8pm @ KGMS
- **Into Grade 10 Presentation-** Thursday April 11th, 7-8pm @ KGMS
- **Into Grade 10-12 Drop In Q and A-** Friday April 12th, 12-1pm @ ZOOM

#2 Reflect- Use the appropriate planning document to reflect and process the information provided. The document is available below and on Google Classroom.

- [Into Grade 10](#)
- [Into Grade 11 and 12](#)

#3 Discuss- Share your thinking with your Advisor, trusted mentors, your parents/guardians, and current teachers.

#4 Request- Submit your requests using the form [KGMS Course Requests for 2024-2025](#) by the due date of **April 30th, 2024**.

#5 Review- You will receive your preliminary schedule in June. Consider it carefully, and then keep your eye open for the “Back to School” emails to parents and students in late August. There will be a small window for course change requests for Semester 1 courses in August and Semester 2 courses in December.

For help or clarification at any point, contact [Ms. Sarah Coates](#).

BC MINISTRY CURRICULUM

QUICK GLANCE



APPLIED SKILLS DESIGN
& TECHNOLOGY



ARTS



CAREERS



ENGLISH LANGUAGE ARTS



PHYSICAL EDUCATION



MATHEMATICS



SCIENCE



SOCIAL STUDIES

SAMPLE GRADE 10 SCHEDULE

GRADE 10

A Grade 10 schedule is mostly the BC Ministry of Education-required courses as part of the Dogwood Diploma. The following is an example of what this looks like.

22-CREDITS OF REQUIRED COURSE STUDY

4-CREDITS



- English First Peoples 10 New Media, Spoken Language, and/or Composition

4-CREDITS



- Foundations of Mathematics and Precalculus 10 or Workplace Mathematics 10

4-CREDITS



- Science 10

4-CREDITS



- Social Studies 10

4-CREDITS



- Physical & Health Education 10

2-CREDITS



- Career Life Education 10A
The remaining 2 Credits of 10B is done in Grade 11

ADAPTED SCHEDULE

While KGMS courses are designed for adapted learning, some students will require further support or adaptations to be confident and successful in their studies.

This may include:

- additional learning assistance blocks
- strategically spreading required courses over multiple years of study
- modified courses
- 1:1 or small group tutoring

REMAINING CREDITS: ELECTIVES

The remaining 10 credits are typically a combination of Arts and/or ADST courses for 2 or 4-credits each.

Students are encouraged to select a range of courses to have a broad base of experiences and skills they can build upon in future years.

SAMPLE GRADE 11 SCHEDULE

GRADE 11

A Grade 11 course schedule has three requirements which have some choice (an English course, a Science course, a Math course) and two required courses (Career Life 10B, Explorations in Social Studies 11). Students may spread these requirements into their Grade 12 year, though this should be done with care and consultation. The following is an example of a Grade 11 student's courses:

18-CREDITS OF REQUIRED COURSE STUDY

4-CREDITS



- Composition 11 *or* New Media 11

4-CREDITS



- Workplace Mathematics 11 *or* Foundations of Mathematics 11 *or* Precalculus 11

4-CREDITS



- Any Science 11 or 12 course

4-CREDITS



- Explorations in Social Studies 11

2-CREDITS



- Career Life Education 10B

ADAPTED SCHEDULE

While KGMS courses are designed for adapted learning, some students will require further support or adaptations to be confident and successful in their studies.

This may include:

- additional learning assistance blocks
- strategically spreading required courses over multiple years of study
- modified courses
- 1:1 or small group tutoring

REMAINING CREDITS: ELECTIVES

The remaining credits are typically a combination of Physical Education, Arts, and ADST courses for 2 or 4-credits each.

Additional Science and Social Studies courses are also available as electives.

Students may start to hone in on types of courses or areas of interest, and should consider requirements for future plans.

SAMPLE GRADE 12 SCHEDULE

GRADE 12

A Grade 12 course schedule has two remaining required courses (English Studies 12, Career Life Connections 12). Any remaining required courses and a collection of required elective credits will need to be completed for graduation. The following is an example of a Grade 12 student's courses:

8 - CREDITS OF REQUIRED COURSE STUDY

4 - CREDITS



- English First Peoples 12

4 - CREDITS



- Career Life Connections 12

ADAPTED SCHEDULE

While KGMS courses are designed for adapted learning, some students will require further support or adaptations to be confident and successful in their studies.

This may include:

- additional learning assistance blocks
- strategically spreading required courses over multiple years of study
- modified courses
- 1:1 or small group tutoring

REMAINING CREDITS: ELECTIVES

Students should be selecting their remaining courses based on interest, entry requirements for future plans, beneficial learning for future plans, and a selection of courses that complete a well-rounded education.



ENGLISH LANGUAGE ARTS

GRADE 10 - 4 CREDITS REQUIRED (2 INTEGRATED COURSES AT 2 CREDITS EACH)

Grade 10 English courses are 2 credits each and at KGMS, the two courses are integrated to feel like one. Beginning 2023-2024, students will generally meet the indigenous-focused graduation requirement through their Grade 10 English Language Arts course. The mix of courses will be determined by the teaching team. For more on the Indigenous-focussed graduation requirement, click the image below.



ENGLISH FIRST PEOPLES SPOKEN LANGUAGE 10 2-CREDITS

Explore the elements, conventions and functions of text with special attention paid to the methods, instances, and cultural significance of spoken language and the oral tradition.






ENGLISH FIRST PEOPLES NEW MEDIA 10 2-CREDITS

Explore writing conventions, literary genres, and literary analysis using multimedia and multimodal texts. Students also explore the concept of digital citizenship and changing methods of communication in a modern world, and the ethics of inter-cultural appreciation and inter-cultural appropriation.



ENGLISH FIRST PEOPLES COMPOSITION 10 2-CREDITS

Explore a variety genres/forms to develop both analytical and communication skills, and better understanding the characteristics of a given medium as a method to serve an author's intent. Students will evaluate authors' and directors' artistic choices, their own, and those of their peers.

**Indigenous-Focused
Graduation Requirement**

Change to the B.C. Graduation Program

GRADE 11 AND GRADE 12- 4 CREDITS REQUIRED EACH



NEW MEDIA 11 4-CREDITS

Explore writing conventions, literary genres, and literary analysis using multimedia and multimodal texts. Students also explore the concept of digital citizenship and changing methods of communication in a modern world. This course includes a novel study.



CREATIVE WRITING 11 4-CREDITS

This course is designed for the student who loves to write creatively, and wants to refine their creative writing skills. Several different types of creative writing will be explored throughout the course including graphic novels, short stories, poetry, memoir, flash fiction and myths. Students will strengthen their skills through exploration and application of writing and design processes .



ENGLISH FIRST PEOPLES 12 4-CREDITS

With a focus on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text - including oral story, poetry, song, performance, film, and prose - we will deepen our understanding of Indigenous issues and perspectives, both past and present. Throughout students will be encouraged to think critically, creatively and reflectively to explore ideas within and between texts; they will write in a variety of genres, structures, and forms, and will be supported in extending their capacity to communicate effectively in a variety of contexts.

English Studies 12 is offered as of 2023-2024 to ensure students fulfill the Indigenous-focussed course requirement (new as of 2024 graduation, see previous page).

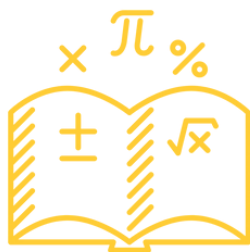
GRADE 10 4 CREDITS REQUIRED



WORKPLACE MATHEMATICS 10 4-CREDITS

Explore math for the workplace and focus on real-world applications . The course focuses on helping students build skills around four main ideas: proportional reasoning; measurement of 3-dimensional objects; number sense and flexibility with numbers; and representing and analyzing data to make sense of it.

Next course: Typically Workplace Mathematics 11



FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 4-CREDITS

Explore mathematical understanding and critical thinking skills identified for entry into most post-secondary programs, both those that require Calculus and those that do not. Students taking this course will decide whether to pursue Foundations of Math 11, Pre-Calculus 11, or Calculus 11. Topics include Rational and Irrational Numbers, Exponents, Polynomials, Linear Functions, Trigonometry, and Financial Literacy.

Next course: Typically Foundations of Mathematics 11 or Pre- Calculus 11.

FOR YOUR INFORMATION

The choice of math class is informed by: student interest, past evidence of learning, parent/guardian consultation and teacher consultation. For Grade 10 students, Math is the first course that is divided into streams. Future plans should be considered when choosing a Math class, along with current interest and abilities in Math.

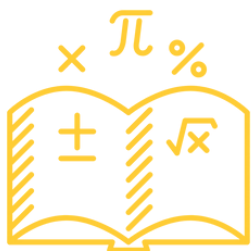
GRADE 11 4-CREDITS REQUIRED



WORKPLACE MATHEMATICS 11 4-CREDITS

This course may be right for students heading straight into the workforce after graduation, or for those intending to pursue an apprenticeship or trade, and will build upon and extend mathematics learning from Workplace 10.

Previous Course: Typically, students have completed Workplace Mathematics 10 in Grade 10.



FOUNDATIONS OF MATHEMATICS 11 4-CREDITS

This course may be right for students with developing mathematical understandings, and are considering post-secondary programs that do not require theoretical calculus. Topics in this course include logical reasoning, geometry, measurement, relations and functions and statistics.

Previous Course: Typically, students have completed Foundations and Pre calculus Mathematics 10 in Grade 10.



PRE-CALCULUS 11- 4-CREDITS

Explore mathematical skills that are foundational for use in pre-calculus and calculus. This course explores quadratic relationships, their prevalence around us, and the use of algebra to generalize these relationships through abstract thinking. Students will explore the connections between operations extending to powers, radicals and polynomials, and proportional reasoning to solve indirect measurement trigonometric problems.

Previous Course: Typically, students have completed Foundations and Precalculus Mathematics 10 in Grade 10, and were able to be highly independent in that course.

MATHEMATICS

GRADE 12

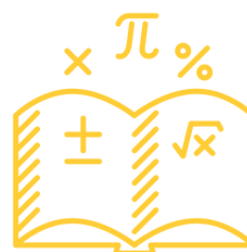
A math course is not required in Grade 12. Students may request a math courses as an elective.

See the previous pages for general descriptions of the three math pathways.

Typically, students will have completed the Grade 11 equivalent course before they begin the Grade 12 course. This ensures students have the previous knowledge, skills and practice to be successful in learning more advanced content and skills.



APPRENTICESHIP MATHEMATICS 12



FOUNDATIONS OF MATHEMATICS 12



PRE-CALCULUS 12

UNIVERSITY PREREQUISITES: SCIENCES & MATHEMATICS

QUICK GLANCE

STUDENTS SHOULD STRATEGICALLY PLAN THEIR SENIOR HIGH SCHOOL STUDIES TO ALIGN WITH THE REQUIRED AND/OR RECOMMENDED UNIVERSITY PREREQUISITES OF THEIR INTENDED CAREER.

BELOW ARE SOME EXAMPLES OF THESE PATHWAYS:



ENGINEERING



CHEMISTRY



PHYSICS



PRE-CALCULUS &
CALCULUS



HEALTH
SCIENCES



CHEMISTRY



BIOLOGY



PRE-CALCULUS OR
CALCULUS



GENERAL
SCIENCES



CHEMISTRY



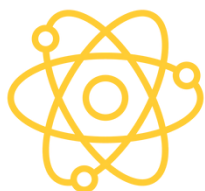
PHYSICS



PRE-CALCULUS

THINKING ABOUT THE PRESENT (INTERESTS, SKILLS) AND THE FUTURE (LIFE AFTER HIGH SCHOOL) ARE BOTH IMPORTANT PARTS OF COURSE PLANNING. WE ARE HERE TO HELP.

GRADE 10



SCIENCE 10 4-CREDITS REQUIRED COURSE

Science 10 forms the basis for further science courses in Grade 11 and Grade 12, as well as general scientific literacy for life-long learning and experiences. Students will explore four main topics: Biology, Chemistry, Physics and Earth Science. In these topics, students work on lab skills, scientific inquiry skills, and content knowledge.



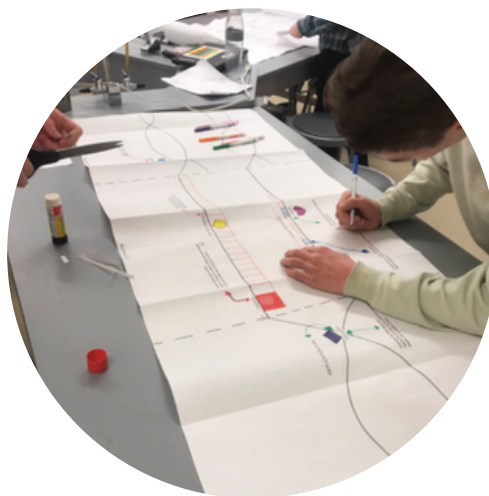
Science 10
Biology



Science 10
Chemistry



KGMS Science Lab



Science 10
Earth Science

SCIENCE COURSES THROUGH HIGH SCHOOL

Students are encouraged to take science courses throughout their high school years. After Grade 10, science courses are separated by content areas: general, biology, physics, chemistry, and environmental sciences.

For the BC Graduation Program, Science 10 and one Grade 11/12 science course is required. Any additional courses count towards the 28 required electives. We encourage students to take a science each year to continue to foster analytical skills and scientific literacy.

ENVIRONMENTAL SCIENCES



ENVIRONMENTAL SCIENCES 11- 4 CREDITS

Explore the environment which we live in and our interaction with it. This course examines the human impact on our natural environment including changing climate systems, water systems, and land use and degradation. Students also explore alternative energy sources and methods for sustainable living.



ENVIRONMENTAL SCIENCES 12- 4 CREDITS

Explore the inter-relationships of the natural world, to identify and analyze environmental problems both natural and human-made, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them.

BIOLOGY



LIFE SCIENCES 11 4-CREDITS

Life Sciences 11 is all about living things! First, we will examine life on a small scale, learning about how DNA works, how viruses affect their hosts and how cells carry out important functions. Second, we will learn about evolution, both how new traits become more common and how new species come to be. Third, we will discover how humans make sense of the diversity of living things by creating groups based on DNA patterns and physical characteristics. Finally, we will learn about applications of biology to stop the spread of viruses, improve food production and heal genetic diseases.



ANATOMY & PHYSIOLOGY 12 4-CREDITS

Explore cell structure, function and processes as well as the human body. It focuses on big ideas related to homeostasis, DNA and cells, and organization of organ systems. There are 6 main units of study: Cells and Biochemistry; DNA, RNA and Protein Synthesis; Cell Membrane and Enzymes; Digestive and Urinary Systems; Circulatory and Respiratory Systems; Nervous and Reproductive Systems.



Life Sciences 11
Dissection (starfish anatomy)



Anatomy & Physiology 12
Dissection of cardiovascular and respiratory systems (pig anatomy)

CHEMISTRY



CHEMISTRY 11 4-CREDITS

Explore the world of science on an atomic level and build knowledge of core chemistry concepts. The course focuses on big ideas related to atoms, molecules and moles, chemical reactions and energy, solution chemistry, and organic chemistry. Chemistry 11 emphasizes real-life applications of chemistry and helps students connect their learning to the world around them.



CHEMISTRY 12 4-CREDITS

Explore chemical reactions: why and how they happen, and chemical systems in equilibrium. This course builds on students' knowledge of core chemistry concepts and focuses on big ideas related to reaction rates, dynamic equilibrium, saturated solutions, acid and base strength and oxidation/reduction.



Chemistry 11

Students measure quantities of Sodium chloride, Copper (II) chloride, Calcium carbonate, water and copper metal by applying their knowledge of chemical formulas, Avogadro's number and molar mass

PHYSICS

FOR YOUR INFORMATION...

Physics uses a number of mathematical tools, Confidence in the following is beneficial:

- Solving basic mathematical equations with Algebra
- Understanding 2 variable X & Y graphs
- Basic right-triangle Trigonometry

Speak with your Math 10 and Science 10 teachers for further details.

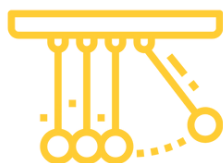


PHYSICS 11 4-CREDITS

Explore the world of motion and energy. This course is designed to build students' knowledge of core physics concepts. The course focuses on four big ideas; An object's motion can be predicted, analyzed and described; Forces influence the motion of an object; Energy is found in different forms, is conserved, and has the ability to do work; Mechanical waves transfer energy but not matter.

PHYSICS 12 4-CREDITS

Explore the world of motion and fields. This course is designed to build on the knowledge the student gained in physics 11. The course focuses on four big ideas; Measurements of motion depends on our frame of reference; Forces can cause linear and circular motion; Momentum is conserved within a closed isolated system; Forces and energy interactions occur within fields.



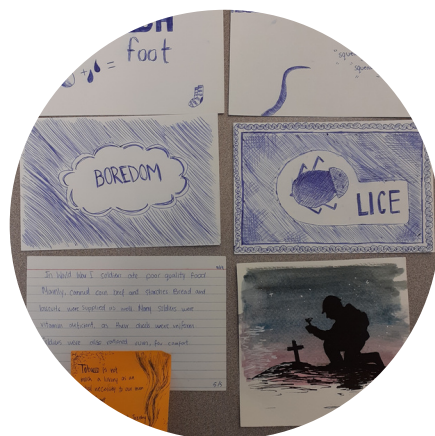
SOCIAL STUDIES

GRADE 10 4-CREDITS OF REQUIRED COURSE



SOCIAL STUDIES 10 - 4-CREDITS

This course provides students with opportunities to reflect critically upon events and issues in order to examine the present, make connections with the past, and consider the future. Students will explore 19th and 20th Century World History through the lens of Canada's development as a nation and its involvement in world events, such as World War I, as well as how Canada has dealt with global economic, technological and political shifts.



Social Studies 10
Examples of Student work

GRADE 11 4-CREDITS OF REQUIRED COURSE



EXPLORATIONS IN SOCIAL STUDIES 11 4-CREDITS

This course provides students with opportunities to reflect critically upon events and issues in order to examine the present, make connections with the past, and consider the future. Students will explore key social, political and economic issues of 20th and 21st Century World History through the lens of Canada's involvement in world events, such as World War II, as well as how Canada continues to deal with and be shaped by current local and global events.

SENIOR COURSES 4-CREDITS



COMPARATIVE CULTURES 4-CREDITS

Explore, analyze, compare and contrast human societies, civilizations and cultures throughout history and across the globe. Students explore the influence of language, religion, political organization, and recreation of various societies as well as how these cultural phenomena have influenced international conflict, infrastructure, technological advancements and world economies.



LAW STUDIES 12 4-CREDITS

This course looks at the Canadian criminal and civil systems, and learn from visits to the Law Courts and guest speakers. Students consider moral dilemmas, classic and modern philosophers, and work to recognise how their own perspectives and experiences shape their beliefs about justice. Law 12 is a dynamic course that explores concepts related to law, power, governance, systems, and issues in society.



Learn through play with the Rise of Civilizations interactive course game! Students will be challenged to take their civilization from agrarian society through to the industrial age. Visit the Law Courts and see how theory comes to life!



ELECTRONICS AND COMPUTING

Electronics courses provide students interested in the technologies of electronics, knowledge and hands-on experience which may be useful in pursuing careers in the field.

The courses build each year with more advanced usage of electronic technologies and design of electronic circuits from prototype breadboarding to Printed Circuit Boards. At the Grade 10 level, a Robotics component is integrated into the course including usage of the newest programmable Lego Mindstorms Robotic kits. During the courses, we study various electronic components through resistors, transistors to Integrated Circuits with hands-on experiments, as well as study series/parallel & analog/digital circuits with Ohm's, Watt's & Kirchhoff's Laws. The students are also provided training and gain hands-on experience soldering electronic circuits and usage of the related tools involved. Students personally choose from a variety of electronic kits and self-assemble these electronic circuits. At the higher advanced level, the design of electronic circuits with computerized schematic diagrams is conducted while studying construction and assembly techniques.

COURSES INCLUDE

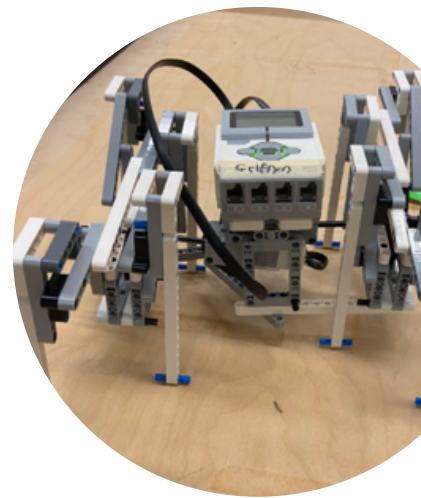
Electronics & Robotics 10

Electronics 11

Electronics 12

Computer Studies 10

Computer Programming 11





ENTREPRENEURSHIP

This set of courses takes students through the process of creating and implementing their own business venture. While learning the different aspects of business, students will develop their own business plan which they will use to successfully implement their idea into a real venture. Students will also examine and develop entrepreneurial skills, study a variety of entrepreneurs and understand what it takes to be a successful entrepreneur. Students will analyse business plans by assessing their feasibility and proposing areas for improvement.

COURSES INCLUDE

- Entrepreneurship 10
- Marketing & Promotion 11
- Entrepreneurship 12



Student Work

The 2022-2023 classes hosted the KGMS Spring Carnival. Beginning with proposals and a Dragon's Lair-style pitch, through to planning and execution of the event.



FOOD STUDIES

The Food Studies courses focus on planning and preparing nutritious food for individuals and groups. Students develop various skills from planning menus to presenting attractive meals, and increase their knowledge of the nutritional, social, and economic factors that affect food selection and preparation. Students consider safety and the prevention of food-borne illnesses as they handle equipment and food supplies and use appropriate cooking and storage methods. As well as preparing and presenting food, students learn to budget food purchases and manage time and energy. In addition, they assess global issues related to food production and consumption.

Students may also have the opportunity to study for [Food Safe Level 1](#) and [Level 2](#) certification.

COURSES INCLUDE

- Food Studies 10
- Food Studies 11
- Food Studies 12

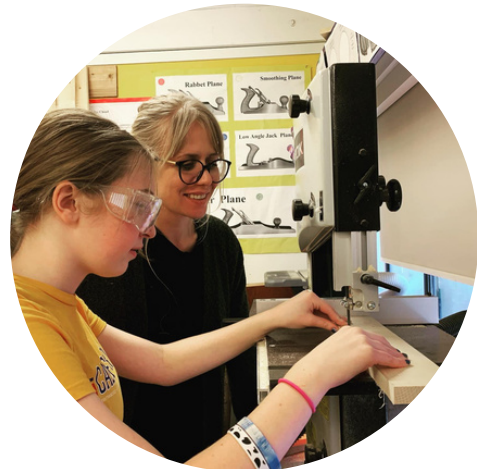


WOODWORKING



WOODWORKING 10

Explore the foundations of carpentry, including safely working with tools and instruments, the principles of design, and construction techniques. Students develop their skills in planning and problem solving during this project-based course. This course is taught in collaboration with Jeremy Tomlinson, Founder of the [Urban Woodworker](#).



WOODWORKING 11 & 12

Students who develop a strong base of skills in Woodworking 10 may be invited to continue an offsite experience of Woodworking 11 and 12 in partnership with [The Urban Woodworker](#).



VISUAL ARTS

Visual arts are an integral part of a student's holistic development. From learning to communicate and express ideas to developing solid ground for critical thinking, visual arts play an essential role in our global society. Students learn the importance of visual culture throughout history, as well as its influence on modern society. Further, students will expand their understanding and appreciation of visual arts mediums through looking at its history, as well as traditional and contemporary First Peoples perspectives as expressed through visual arts.

COURSES INCLUDE

Graphic Arts: 11, 12: apply drawing and design skills to both hypothetical and actual design problems through the use of graphic arts media (e.g. traditional printmaking, graphic design software)

Media Arts: 10, 11, 12: explore the connections between Media Arts and computer technology by creating and exploring a variety of Media Arts works.

Studio Arts 2D: 10, 11, 12: create two-dimensional artwork, using a variety of processes, techniques and materials, especially drawing and painting.

Studio Arts 3D: 10, 11, 12: create three-dimensional artwork, using a variety of processes, techniques and materials including clay and sculpture.

Photography: 10, 11, 12: students explore the art of digital and film photography.



MUSIC

Music courses at KGMS provide students with the opportunity to express themselves with various styles of music. Students explore intermediate levels of structural elements in melody, rhythm and harmony. Instruments include percussion, ukulele, acoustic and electric guitar, bass guitar, keyboard, brass, woodwinds, and voice. Students are invited to perform in settings that are comfortable for them. Students will gain experience reading, rehearsing and performing selected pieces for concert performances. Musical concepts, theory and performance techniques will also be used to enhance the experience for both performer and audience. Extension opportunities are offered and include song writing, music production, performance improvisation, transposition, harmonizing, sight reading, and combining vocals with instrumentation.



COURSES INCLUDE

Contemporary Music: 10, 11 and 12
Individual Directed Studies (IDS)

DRAMA



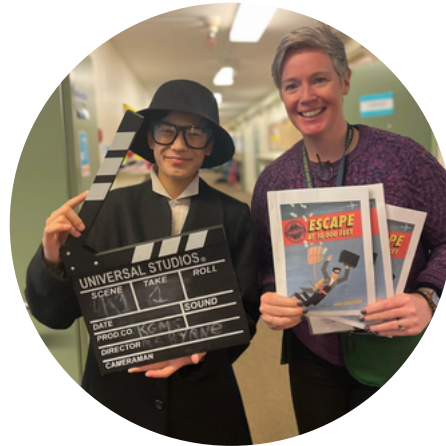
Explore the arts of mime, movement, and public speaking. In addition, students will engage in role drama, improvisation and character development. Students will develop their acting skills as well as their imaginations. Students will also engage in play building, script analysis and script creation.

COURSES INCLUDE:

Drama 10

Drama 11A

Drama 11B



INDEPENDENT DIRECTED STUDIES (IDS)

INDEPENDENT DIRECTED STUDIES 11 & 12

Do you have an area of interest that you'd like to pursue more deeply? Are you a self-starter and are able to set and manage personal learning goals? If yes, you may want to apply for Independent Directed Studies.



For this course, students propose a meaningful, ongoing project or inquiry that expands their knowledge, skills or experience in a creative discipline. Students complete a series of weekly assignments, design and execute self led projects, build relationships with mentors in the school and/or greater community.

This course is a collaboration between students, teachers and mentors that requires each student to take full ownership of steering this part of their learning journey.



PHYSICAL & HEALTH EDUCATION



PHYSICAL & HEALTH EDUCATION 10 4-CREDITS REQUIRED

Explore a variety of physical activities and healthy living habits. This course uses individual and classroom activities, activity logs, reflections and assignments to encourage the overall health and fitness of the students involved.



FITNESS & CONDITIONING 11 & 12 4-CREDITS EACH

Using the Ron Andrews Community Center, students explore safe exercise techniques, positive body image, and other health related topics to assist them in identifying “fitness” myths. This is done by a certified Personal Trainer providing a tour of the fitness centre, giving a demo of equipment, and an overview of safe usage and etiquette. Students will gain confidence in using gym spaces and creating fitness plans to meet their own goals contributing to life-long health.

CAREERS 8-CREDITS REQUIRED



CAREER LIFE EDUCATION 4-CREDITS

Career Life Education introduces students to the opportunities available to them after graduating high school and helps them recognise and showcase their unique skills and interests that are relevant to success in the workplace. Topics covered in this course can include graduation/transition planning, personal financial management, self-care, interview/success skills, resume/cover letter content and design, post secondary school and career research, and young workers rights.

At KGMS, we divide this course into CLE10A (Grade 10) and CLE 10B (Grade 11).

CAREER LIFE CONNECTIONS 4-CREDITS



Career Life Connections prepares students for the transition to post-secondary whether that's further education or the workplace. Students explore different post-secondary opportunities and visit local universities and colleges. Students research prerequisites for future education programs, and continue to pursue career research for future professions. Students practice interview skills and build on their employment portfolios. Students also explore workers rights, and how to be respectful and valued in the workplace.

This course also includes:

- At least 30 hours of work/volunteer experience, including:
 - Prior or current paid or unpaid work experience
 - Volunteerism or community service
 - Work Experience 12A/B or Youth Work in Trades 11/12
 - Fieldwork, entrepreneurship, and projects
- Capstone Project & Presentation



WORK EXPERIENCE (WEX) 8-CREDITS AVAILABLE

WEX courses provide students with an opportunity to build their employability and collaboration skills within authentic workplace environments. Enrolled students complete a WorkSafe BC student safety certificate and then are placed in unpaid work experiences within the school timetable that match their unique needs and interests. Alternatively, students can request to use current paid or unpaid work outside of school towards these credits, provided that the workplace approves participating in the WEX requirements. Completion of a four-credit WEX course meets the Applied Design, Skills, and Technologies graduation requirement. It may also be used toward fulfilling the Career-Life Exploration (30 hours or more) graduation requirement.

Successful participation in Work Experience and Youth Work in Trades requires additional independence and maturity. Suitability will be determined in consultation with a student's Advisor and the WEX/WRK teacher.



YOUTH WORK IN TRADES (WRK) 16-CREDITS AVAILABLE

The Youth Work in Trades (WRK) Program is an opportunity for students (typically in grade 12) who are ready to begin their Trades Apprenticeship journey. Students/families find a prospective employer to sponsor the paid apprenticeship, and the school curriculum supports by registering the student with Skilled Trades BC, and focusing on connecting, applying, reflecting on, and refining workplace skills and safety, work ethic, and job readiness. Students can earn up to 16 graduation credits and 480 work-based training hours towards their Red Seal. Completion of a four-credit WRK course meets the Applied Design, Skills, and Technologies graduation requirement. It may also be used toward fulfilling the Career-Life Exploration (30 hours or more) graduation requirement.

SCHOOL CONTACTS

THE 2023-2024 HIGH SCHOOL STAFF TEAM:

Mr. Shaun Ahluwalia (Math, Careers, PHE, Advisor 10)
Ms. Brenda Carlton (Academic Tutoring)
Ms. Stana Cermakova (Art, Advisor 10)
Mr. Carl Cloake (Math, Science)
Ms. Sarah Coates (Principal, Social Studies, Advisor 10)
Ms. Lia Festila (Resource Support Math and Science)
Mr. Bret Garef (Drama)
Ms. Ashley Glacken (Career Education, Guidance, Advisor 12)
Mr. Eric Hansen (Math,PHE,Foods,ADST,English,Advisor 12)
Ms. Melissa Howells (English,Social Studies,Foods,Advisor 11)
Ms. Stephanie Jackson (Music)
Mr. Adam Leverette (PHE, Science, Advisor 11)
Ms. Justine Martins (English, Social Studies, Advisor 10)
Ms. Del McIntyre (Academic Tutoring)
Ms. Erin McLean (Academic Tutoring)
Ms. Casey Rose (Personal Counselling)
Ms. Rachel Roubini (Academic Tutoring)
Ms. Lynn Rummell (Academic Tutoring)
Mr. Piers Samson (Personal Counselling)
Mr. Blair Yochim (Math November-December 2023)
Ms. Sandra Whittle (Academic Tutoring)
Mr. Conor Whyte (ADST)
Ms. Alpha Wong (Science,Photography,Foods,Advisor 10)



THE KGMS LEADERSHIP TEAM

Head of School: [Suzanne MacLeod](#)

Deputy Head of School: [Jennifer Alexander](#)

Director, Junior School: [Johanna Frank](#)

Director, Middle School: [Sara Ferguson](#)

Principal, High School: [Sarah Coates](#)

Director, Admissions: [Stella Tsiknis](#)

Director, Advancement: [Antonia Jennings](#)

Director, Communication: [Kaila Sept](#)



CAMPUS INFORMATION

Front Office: 7:30 am to 3:30 pm

Telephone: 604-985-5224

Email: office@kgms.ca

Fax: 604-985-4562

Address:

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North Vancouver BC, V7H 1S8