



W.G. Murdoch School
High School Course Description
Handbook
2025.26

W.G.M. COURSE PLANNER

The purpose of this guide is to provide students and parents with the information they need to make thoughtful course selections. An individual's course selection should be based on their interests and desires as high school presents a unique opportunity to discover new interests and build new skill sets. It is also a time where students need to think about their end goals, as these final years of schooling prepare them for what lay ahead, whether that be a post-secondary institute or the work force.

It is the responsibility of each student, in consultation with parent(s)/guardian(s), to ensure that he/she completes the necessary sequence of courses leading to graduation and, if applying to a post-secondary institution, the entrance requirements of the post-secondary institution of choice are met. Additionally, W.G. Murdoch has a course and career counsellor whose goal is to support students and help plan for their success. Our course and career counsellor works with students to plan timetables, correct schedules, track progression, apply to post-secondary institutions, help apply for scholarships, and assist in the pursuit of career options.

PLEASE NOTE:

Though W.G. Murdoch attempts to offer as many courses as possible face to face, various courses may be offered through other programming options such as WeConnect (RVS' online courses for in-person learners). Course requests do not guarantee a course will be run but assist us in planning the programming we are going to offer each year. Please inquire with the course and career counsellor regarding course availability if it is not offered in our regular timetable.

REQUIREMENTS FOR GRADUATION

There are 3 paths to High School Completion:

- 1) **Alberta High School Diploma** (100 Credits) – This is the most common path for high school completion with a High School Diploma required for many career paths and post-secondary programs.
- 2) **Certificate of Achievement** (80 Credits) - Students enrolled in Knowledge and Employability (K&E) courses can satisfy requirements for a Certificate of High School Achievement. Parents and students should discuss the best route to meeting requirements for this certificate with the Course and Career Counsellor and the Learning Support Teacher.
- 3) **Certificate of Completion** (no specific credit requirement) - To qualify for the Certificate of School Completion, students must be engaged in specialized programming as managed through our student support team. This designation has specific requirements as per Alberta Education.

myBlueprint

myBlueprint is an online educational planning tool used at W.G. Murdoch School and throughout RVS. All students have myBlueprint accounts to assist with setting goals, tracking high school diploma requirements, exploring post-secondary options and researching potential careers.

myPass.ca

Alberta Education recently changed the way high school progress and Diploma exam results are shared with students and families. In order to track your child's progress through high school, it is necessary to sign up at the Alberta Education "MyPass" website, which can be found at mypass.alberta.ca. Students in Grade 10 should sign up for an account and begin tracking their progress towards a High School Diploma or Certificate of Achievement. A MyPass account can be quickly set up by visiting [Student Services](#).

Visit mypass.alberta.ca to request access to:

- View and print diploma exam results
- Order high school transcripts
- View progress towards a credential (diploma or certificate)
- View student personal information
- View and print a Detailed Academic Report (DAR)
- Order additional copies of an awarded credential in English or French
- Request diploma exam re-scores
- View and print letters of confirmation of name, age and enrollment
- Provide third-party (including parents and guardians) access to student's myPass account

Please note that students will no longer receive diploma marks in the mail and must access them through their myPass accounts. All students in grades 10-12 must have a myPass account.

GRADUATION REQUIREMENTS: DIPLOMA

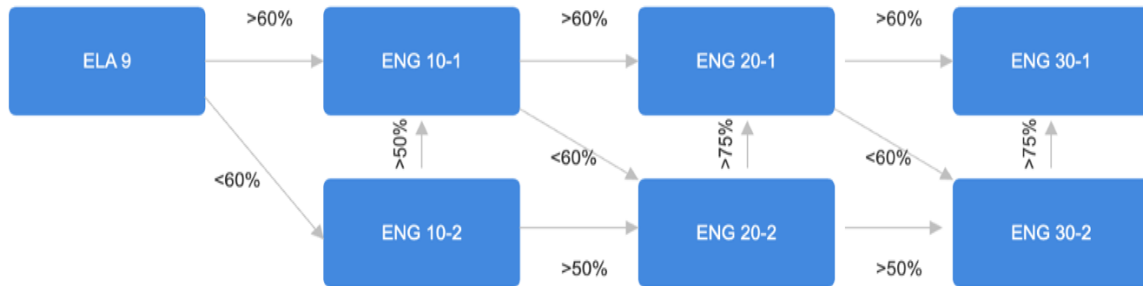
ALBERTA HIGH SCHOOL DIPLOMA: GRADUATION REQUIREMENTS (ENGLISH)
The requirements indicated in this chart are the <u>minimum</u> requirements for a student to attain an Alberta High School Diploma. The requirements for entry into post-secondary institutions and workplaces may require additional and/or specific courses.
100 CREDITS including the following:
ENGLISH LANGUAGE ARTS – 30 LEVEL <input type="checkbox"/> (English Language Arts 30-1 or 30-2)
SOCIAL STUDIES – 30 LEVEL (Social Studies 30-1 or 30-2)
MATHEMATICS – 20 LEVEL (Mathematics 20-1, Mathematics 20-2 or Mathematics 20-3)
SCIENCE – 20 LEVEL <input type="checkbox"/> (Science 20, Science 24, Biology 20, Chemistry 20 or Physics 20)
PHYSICAL EDUCATION 10 (3 CREDITS) <input type="checkbox"/>
CAREER AND LIFE MANAGEMENT (3 CREDITS) <input type="checkbox"/>
10 CREDITS IN ANY COMBINATION FROM: <ul style="list-style-type: none"> • Career and Technology Studies (CTS) courses • Fine Arts courses • Second Languages courses • Physical Education 20 and/or 30 • Knowledge and Employability courses • Registered Apprenticeship Program courses • Locally developed/acquired and authorized courses in CTS, fine arts, second languages or Knowledge and Employability occupational courses
10 CREDITS IN ANY 30-LEVEL COURSE (IN ADDITION TO A 30-LEVEL ENGLISH LANGUAGE ARTS AND A 30-LEVEL SOCIAL STUDIES COURSE AS SPECIFIED ABOVE) These courses may include: <ul style="list-style-type: none"> • 30-level locally developed/acquired and authorized courses • Advanced level (3000 series) in Career and Technology Studies courses • 30-level Work Experience courses • 30-level Knowledge and Employability courses • 30-level Registered Apprenticeship Program courses • 30-level Green Certificate Specialization courses • Special Projects 30

GRADUATION REQUIREMENT: CERTIFICATE

CERTIFICATE OF HIGH SCHOOL ACHIEVEMENT REQUIREMENTS (ENGLISH)
The requirements indicated in this chart are the <u>minimum</u> requirements for a student to attain a Certificate of High School Achievement. The requirements for entry into post-secondary institutions and workplaces may require additional and/or specific courses.
80 CREDITS <input type="checkbox"/>
including the following:
ENGLISH LANGUAGE ARTS 20-2 OR 30-4
MATHEMATICS 10-3 OR 20-4
SCIENCE 14 OR 20-4
SOCIAL STUDIES 10-2 OR 20-4
PHYSICAL EDUCATION 10 (3 CREDITS) <input type="checkbox"/>
CAREER AND LIFE MANAGEMENT (3 CREDITS) <input type="checkbox"/>
5 CREDITS IN <ul style="list-style-type: none"> • 30-level Knowledge and Employability occupational course, or • 30-level Career and Technology Studies (CTS) course, or • 30-level locally developed/acquired and authorized course with an occupational focus
AND
5 CREDITS IN <ul style="list-style-type: none"> • 30-level Knowledge and Employability Workplace Practicum course, or • 30-level Work Experience course or • 30-level Green Certificate course, or • Special Projects 30
OR
5 CREDITS IN <ul style="list-style-type: none"> • 30-level Registered Apprenticeship Program (RAP) course

CORE COURSES

ENGLISH



*Recommended achievement for some pathways

ENGLISH 10-1 (5 credits)

(Recommended level of achievement is >60% in ELA 9. It is recommended that students who receive below 60% enroll in ELA 10-2.) This program is intended for students with strong reading and communication skills, as well as an interest in literature. Students will be expected to engage critically and personally with a diverse range of texts. Completing the English -1 stream is a prerequisite for admission to most university and some other post-secondary programs.

ENGLISH 10-2 (5 credits)

(Recommended level of achievement is <60% in ELA 9.)

English - 2: This program sequence is designed to help students build confidence while developing their English skills for academic success, future careers, and life goals. Successfully completing this program grants access to most certificate and diploma programs at colleges and technical institutions.

ENGLISH 20-1 (5 credits)**Recommended Grade: >60% In English 10-1**

This course encourages students to apply various strategies to understand and create both print and non-print texts. Specifically, it challenges students to demonstrate their comprehension of literary works by writing literary analysis essays.

ENGLISH 20-2 (5 credits)**Prerequisite: < 60% in English 10-1 or >50% in English 10-2**

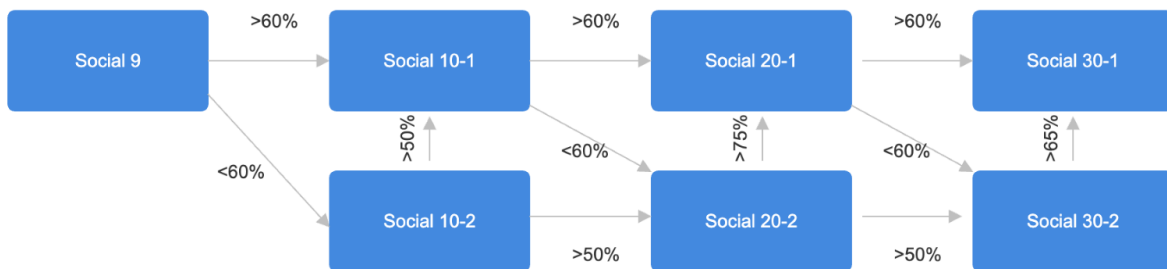
This course is designed for students who scored below 60% in English 10-1 or those who have completed English 10-2. Students will apply various strategies to understand and create both print and non-print texts. Specifically, students will respond to texts from a personal viewpoint and with a practical focus, while also demonstrating their comprehension of literary works through literary analysis essays.

ENGLISH 30-1 (5 credits)**Recommended Grade: >60% in English 20-1**

This course encourages students to use a variety of strategies to understand and create both print and non-print texts. Specifically, it challenges students to demonstrate their comprehension of literary works through literary analysis essays. English 30-1 prepares students for university entry and requires a significant time commitment to succeed.

ENGLISH 30-2 (5 credits)**Prerequisite: < 60% in English 20-1 or > 50% in English 20-2**

This course is designed for students who scored below 60% in English 20-1 or those who completed English 20-2. Students will apply a range of strategies to understand and create both print and non-print texts. Specifically, they will respond to texts from a personal perspective with practical intent, as well as demonstrate their comprehension of literary works through literary analysis essays.



*Recommended achievement for some pathways

SOCIAL STUDIES

SOCIAL STUDIES 10-1 (5 credits)

(Recommended level of achievement is >60% in Social 9. It is recommended that students who receive below 60% enroll in Social 10-2.)

This program sequence is intended for academic students with strong communication skills. In Social 10-1, students examine the origins of globalization and its effects on culture, economies, human rights, and quality of life at local, national, and international levels. Successful completion of the Social Studies -1 stream is required for admission to most university and some other post-secondary programs.

SOCIAL STUDIES 10-2 (5 credits)

(Recommended level of achievement is <60% in ELA 9.)

This program sequence starts with Social 10-2, where students explore the history of globalization and its impact on land, culture, human rights, and quality of life. Successfully completing this program grants access to most certificate and diploma programs at colleges and technical institutions.

SOCIAL STUDIES 20-1 (5 credits)

Recommended Grade: 60% in Social 10-1

It is recommended that students who score below 60% enroll in Social 20-2. In this course, students will explore the complexities of nationalism both in Canada and internationally. They will study the origins of nationalism and its impact on regional, international, and global relations. By incorporating multiple perspectives, students will deepen their understanding of nationalism and how it shapes citizenship and identities in Canada.

SOCIAL STUDIES 20-2 (5 credits)

Prerequisite: Social Studies 10-1 or Social Studies 10-2

Students will explore both historical and contemporary views of nationalism in Canada and around the world. They will investigate the origins of nationalism and its effects on individuals and communities in Canada and beyond. The course will examine examples of nationalism, ultranationalism, supranationalism, and internationalism from diverse perspectives. Students will also develop personal and civic responses to emerging issues related to nationalism.

SOCIAL STUDIES 30-1 (5 credits)

Prerequisite: Social Studies 20-1

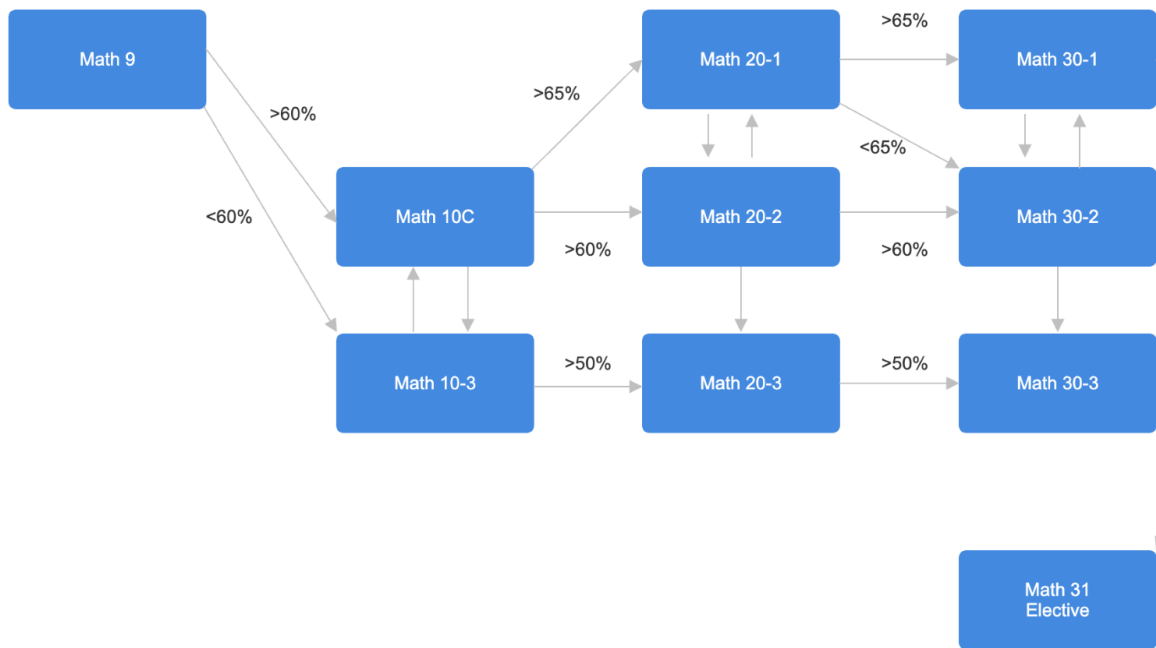
Grade 12 focuses on the origins and complexities of ideologies. Students will investigate, analyze, and assess government policies and actions while developing both individual and collective responses to contemporary local, national, and global issues. Successful completion of the Social Studies 30-1 stream is required for admission to most university and some other post-secondary programs.

SOCIAL STUDIES 30-2 (5 credits)

Prerequisite: Social Studies 20-1 or Social Studies 20-2

Grade 12 examines the origins and complexities of ideologies. Students will explore, analyze, and assess government policies and actions, while also developing both individual and collective responses to current local, national, and global issues.

MATHEMATICS



*Recommended achievement for some pathways

MATH 15

Math 15 is an optional course which is periodically offered for students who achieved between 50-59% in Grade 9. It is designed to support students who would like to improve their math skills before attempting Math 10C.

MATH 10C * 20-1 * 30-1 Sequence (5 Credits) (Pre-Calculus)

Recommended pre-requisite is >65% in previous course

This course sequence is designed to equip students with the mathematical knowledge and critical-thinking skills needed for entry into post-secondary programs that require calculus, such as engineering, mathematics, sciences, economics, and certain business studies. Topics covered include algebra and number theory, measurement, relations and functions, trigonometry, and permutations, combinations, and the binomial theorem. This is a pre-calculus stream.

MATH 10C * 20-2 * 30-2 Sequence (5 Credits) (General Post-Secondary Mathematics Sequence)

Recommended pre-requisite is >60% in previous course

This course sequence is designed to provide students with the mathematical knowledge and critical-thinking skills required for post-secondary studies in programs that do not involve calculus, such as arts programs, certain engineering technologies, medical technologies, and some apprenticeship programs. Topics covered include geometry, measurement, number theory and logic, logical reasoning, relations and functions, statistics, and probability.

MATH 10-3 * 20-3 * 30-3 Sequence (5 Credits)

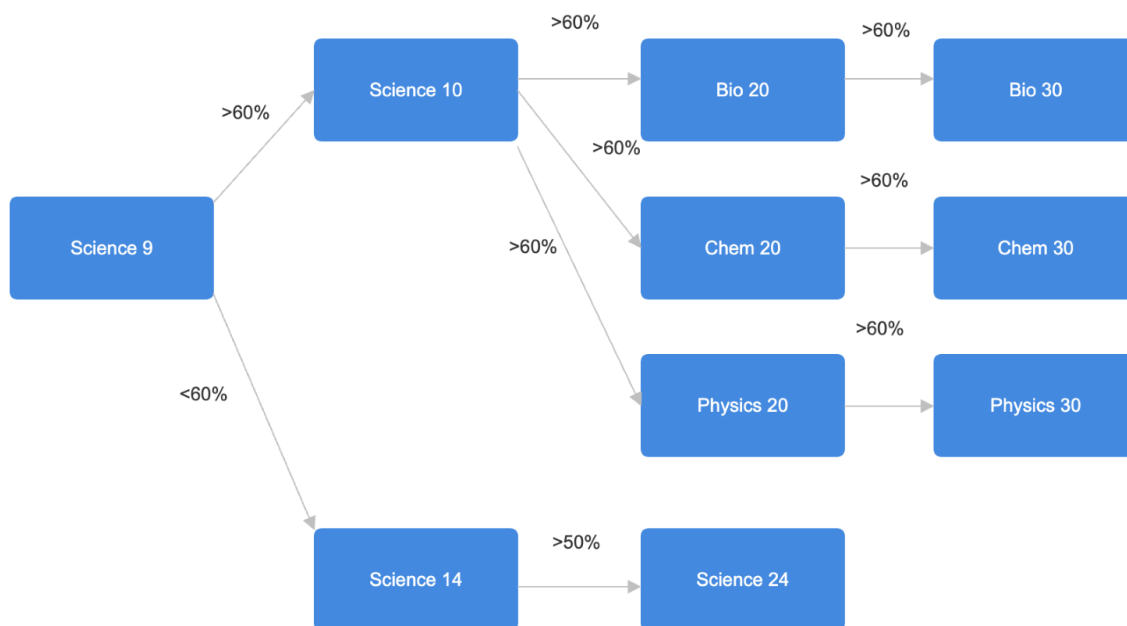
Recommended pre-requisite is >50% in previous course

Students who score below 55% in Math 9 are recommended to take Math 10-3. This course sequence is designed to provide students with the mathematical knowledge and critical-thinking skills necessary for entry into most trades and direct entry into the workforce. Topics include algebra, geometry, measurement, number theory, statistics, and probability.

MATH 31 (5 Credits)

Recommended pre-requisite: >65% in Math 30-1

Math 31 (Introduction to Calculus) focuses on the study of limits, derivatives, integrals, and their applications. This course is often a prerequisite for university applications in STEM (science, technology, engineering, and mathematics) programs. Although a graphing calculator is required for certain aspects of the course, there are also many non-calculator components, and students will be expected to complete much of their work without the use of calculators.



SCIENCE

SCIENCE 10 (5 credits)

Recommended Prerequisite: > 60% in Science 9 and >50% in Math 9

This is a general science survey course that prepares students for and serves as a prerequisite for Science 20, Biology 20, Chemistry 20, and Physics 20. The coursework includes laboratory exercises, projects, and research activities.

SCIENCE 14 (5 credits)

Recommended Prerequisite: < 60% in Science 9

Science 14 is made up of four units of study: Investigating Properties of Matter, Energy Transfer Technologies, From Life to Lifestyle, and Matter and Energy in the Biosphere. This course is designed for students who wish to fulfill the basic science requirements needed for a high school diploma.

SCIENCE 24 (5 credits)**Prerequisite:** >50% in Science 14

Science 24 is structured around four units of study: Properties of Matter, Energy Transfer Technologies, Matter and Energy in Living Systems, and Matter and Energy in the Environment. This course is recommended for students looking to fulfill the basic science requirements for a high school diploma.

BIOLOGY 20 (5 credits)**Recommended Prerequisite:** > 60% in Science 10

Biology 20 focuses on the study of life and living systems, from the molecular level to the biosphere. The course explores major themes such as change and diversity, energy and equilibrium, and matter and systems. Students will engage in activities like field trips, animal dissections, and various hands-on laboratory investigations. They will also be introduced to scientific writing techniques. Biology 20 is divided into four units of study: A. Energy Flow and Matter Cycling, B. Ecology and Evolution, C. Photosynthesis and Cellular Respiration, and D. Human Systems. The transition from Science 10 to Biology 20 is significant, and students should be prepared for a faster pace and a greater workload compared to Science 10.

BIOLOGY 30 (5 credits)**Recommended:** > 60% in Biology 20

The key scientific themes explored in this course are change, diversity, equilibrium, and systems, with matter and energy also being explored as supporting themes. These major concepts create connections between the four units of the course and across all eight units in the combined Science 10 - Biology 20 program. Each unit includes a written component, with each assignment focused on a specific topic related to science, technology, and society. Biology 30 is divided into four units of study: Unit 1 - Homeostasis: Nervous and Endocrine Systems, Unit 2 - Reproduction and Development, Unit 3 - Cell Division, Genetics, and DNA, and Unit 4 - Population Genetics and Dynamics.

CHEMISTRY 20 (5 credits)

Recommended: > 60% in Science 10

Matter and chemical change are the central themes throughout all units in Chemistry 20. A solid understanding of the nature of matter and the analysis of its changes is crucial for comprehending current processes and predicting future outcomes. Students in Chemistry 20 are ready to define matter in conceptual terms, with a focus on using observations to support theories through experimentation and connecting empirical and theoretical knowledge. Chemistry 20 consists of four units of study: A. The Diversity of Matter and Chemical Bonding, B. Forms of Matter: Gases, C. Matter as Solutions, Acids and Bases, and D. Quantitative Relationships in Chemical Changes.

CHEMISTRY 30 (5 credits)

Recommended: > 60% in Chemistry 20

Chemistry 30 builds on the concepts and skills introduced in Science 10 and Chemistry 20. The first three units of Chemistry 30 explore the nature of chemical change through different contexts. Unit 1, Thermochemistry, focuses on the role of energy in chemical change. Unit 2 examines electrochemical systems, analyzes oxidation-reduction reactions, and quantifies the matter and energy involved. In Unit 3, the focus shifts to chemical systems at equilibrium, where students study the reversible nature of most chemical reactions, particularly those involving acids and bases. Unit 4 provides a brief overview of the nomenclature and characteristics of basic organic compounds. Chemistry 30 consists of four units of study: Unit 1 - Thermochemical Changes, Unit 2 - Electrochemical Changes, Unit 3 - Equilibrium, Acids and Bases, and Unit 4 - Organic Chemistry.

PHYSICS 20 (5 credits)**Recommended: > 60% in Science 10**

This course builds upon the fundamental physics concepts introduced in Science 10, with a primary focus on Newtonian physics and the study of object motion. It also covers concepts such as potential and kinetic energy, as well as energy transfer through waves. The course is mathematics-intensive, so strong algebra skills are highly beneficial. Physics 20 consists of four units of study: 1. Kinematics – the study of how objects move, 2. Dynamics – the study of why objects move, 3. Circular motion, work, and energy, and 4. Mechanical Waves – the basics of wave motion, with applications to water and sound waves.

PHYSICS 30 (5 credits)**Recommended: > 60% in Physics 20**

This course traces the historical developments that have led to the modern quantum theory, illustrating how physics is a dynamic and evolving field that has driven the discovery and application of today's technologies. Physics 30 requires a deeper conceptual understanding than Physics 20, as it focuses on microscopic rather than macroscopic concepts. The course consists of four units of study: 1. Conservation Laws – Momentum and Impulse, 2. Forces and Fields – Electric and magnetic forces and fields and their relationship, 3. Electromagnetic Radiation – Wave and particle models of EMR in a historical context, and 4. Atomic and Nuclear Physics – Models of the atom leading to the quantum model, the nature of the nucleus, and the process of nuclear change.

PHYSICAL EDUCATION

PHYSICAL EDUCATION 10 (3 credit) **MANDATORY FOR GRADUATION**

This is offered as a term course geared toward active living and fostering skills and attitudes that promote a healthy lifestyle.

The following learning outcomes are selected from the Grade 10 Physical Education Program of Studies:

- Apply and refine locomotor, non-locomotor and manipulative skills and concepts (effort, space and relationships) to perform and participate in a variety of activities to improve personal performance
- Apply and refine activity-specific skills in a variety of environments
- Perform appropriate physical activities for personal stress management and relaxation
- Identify and demonstrate positive behaviors that show respect for self and others

CAREER AND LIFE MANAGEMENT

CALM (3 credit) **MANDATORY FOR GRADUATION**

CALM is a mandatory 3-credit required course for an Alberta High School Diploma. The aim of CALM is to enable students to make well-informed, thoughtful decisions and choices in all aspects of their lives, developing behaviors and attitudes that contribute to well-being and respect of self and others, now and in the future.

UNIQUE PROGRAMS & COURSES

KNOWLEDGE AND EMPLOYABILITY (K&E)

The Knowledge and Employability (-4) courses are offered to students who have been identified as suitable candidates. Knowledge and Employability courses are part of a program path that leads to a High School Certificate of Achievement. This document is recognized by Alberta Education as an alternative to the high school diploma. The High School Certificate of Achievement counts as high school completion. Students who have completed the requirements for a Certificate of Achievement may transition and complete courses to earn their High School Diploma. This would include further course work and upgrading. Enrollment in Knowledge and Employability courses must include consultation with teachers, the career and course counsellor, school administration, and have the informed consent of parents/guardians.

ENGLISH -4

ENGLISH 10-4, 20-4, 30-4 (5 credits each)

A variety of approaches and resources are used to support differentiated instruction and student achievement of course outcomes. The content may be taught through literary genres such as novels, short stories, poetry and musical lyrics or through a thematic approach that incorporates a variety of genres within the unit. The focus of these courses is to build on students reading, writing and critical thinking skills. These courses offer many connections to the workforce including how to write a cover letter and resume as well as how to apply for a job.

SOCIAL -4

A variety of approaches and resources are used to support differentiated instruction and student achievement of course outcomes. The content is taught by providing activities, summative and formative assessments, and strategies for scaffolding learning and instruction.

SOCIAL 10-4: Living in a Globalizing World (5 credits)

- Should globalization shape identity?
- Should people in Canada respond to the consequences of historical globalization?
- Does globalization contribute to sustainable prosperity for all people?
- How should I, as a citizen, respond to globalization?

SOCIAL 20-4: Nationalism in Canada and the World (5 credits)

- Should nation be the foundation of identity?
- Should nations pursue the national interest?
- Should internationalism be pursued?
- Should individuals and groups in Canada embrace a national identity?

MATHEMATICS -4

MATHEMATICS 10-4 and/or 20-4 (5 credits each level)

Students will have an opportunity to explore the concepts of estimation and problem solving. They will have an opportunity to work with the concept of money, decimals, percentages, fractions and ratios and proportion in everyday home, workplace and community contexts, using technology as appropriate. Students will also develop and be able to demonstrate number sense to describe quantities, represent numbers in multiple ways and apply appropriate arithmetic operations.

SCIENCE 14 / 24 (5 credits each level)

Students enrolled in a Knowledge and Employability program must complete Science 14 to meet the program requirements. Course descriptions are found in the Core Courses – Science section of this document.

ROCKY VIEW SCHOOLS LEADERSHIP ACADEMY

The Rocky View Schools Leadership Academy (RVSLA) is a division-wide student leadership program that offers a full-year five credit Special Projects course for RVS students in grades 10, 11 or 12. The mission of the RVSLA is to empower students to deepen their sense of self and broaden their network of connections in RVS and beyond.

This program is delivered outside of the regular timetable and offers a blended learning environment in which students connect during both in-person workshops and online video conferences over the school year. Students learn from the expertise of practicing business and community leaders through off-site trips or guest presentations. Students develop skills in self-directed learning, collaboration and communication and present an exhibition of learning at the program's annual Connect Summit event.

Application: <https://rvsclc.rockyview.ab.ca/learning/programs/leadership-academy>

ROCKY VIEW MECHANICS TRAINING CENTER-CAM CLARK FORD

Rocky View Schools' Mechanics Program is housed in a fully equipped four-bay shop in the northeast corner of the Cam Clark Ford Dealership in Airdrie, AB. Along with the shop, you will find a classroom complete with student desks, a computer lab and a traditional lecture space. In this environment, RVS students receive instruction that reflects the RVS Mechanics Introductory, Intermediate and Advanced programs.

Next to both the classroom and the shop is the Mechanics Program administrative office where both customer bookings and student attendance is reported. As a Mechanics Training Centre student, you will explore the theoretical parts of the trade and apply this knowledge through experiences like no other.

Since 2000, RVS and Cam Clark Ford in Airdrie have partnered to provide authentic real-world hands-on education to students interested in the trade of automotive mechanic.

Application information:

<https://rvsclc.rockyview.ab.ca/learning/programs/mechanics-training-centre>

BUILDING FUTURES

Building Futures is an immersive and unique program that is able to be offered thanks to the generosity of Kingsmith Homes, McKee Homes, and Rocky View Schools. In Building Futures, students learn how to build a house from the ground up by working elbow to elbow with tradespeople while completing their grade 10 education.

Building Futures has two program locations: Bayside in Airdrie and The Willows in Cochrane. Students in the program learn their core courses from two teachers in a repurposed garage. The program allows for individualized instruction and an environment where students can pursue their passions. By the end of the year, with the help and instruction of qualified tradespeople, the students contribute to the building of a complete house while learning how to contribute to their community.

This program is open to all learners, but the type of student who does best in this program is one who is self-directed, isn't afraid to take risks, can think outside of the box, and wants to experience school differently for a year. Whether you are interested in home building or just want to try something new, this program is for you!

Applications: <https://rvsclc.rockyview.ab.ca/learning/programs/building-futures>

COMPLEMENTARY COURSES

*These courses represent courses that **may** be run based on student interest and availability of teaching staff. Not all courses are run every semester or school year.

PHYSICAL EDUCATION 20 (5 credits)

Prerequisite: Physical Education 10

Physical Education 20 is an upper-level physical education course where students expand upon their learning in Physical Education 10.

PHYSICAL EDUCATION 30 (5 credits)

Prerequisite- Physical Education 20

Physical Education 30 is an upper-level physical education course where students expand upon their learning in Physical Education 20.

PHOTOGRAPHY – 24.25 Fee \$25

Photography is a course that focuses on developing students understanding of digital photography technologies and techniques. This course is driven by student interests, as students can choose to focus the modules that allow them to practice the aspects of photography and photo editing that most interests them. Possible modules at each grade level include:

PHOTOGRAPHY 10 (5 credits)

PHOTOGRAPHY 20 (5 credits)

PHOTOGRAPHY 30 (5 credits)

YEARBOOK

This course runs at the same time as Photography, with a different focus. In this course students learn about visual composition through both photography and design in the creation of the school yearbook. Students will learn basic photography techniques as well as how to set up a DSLR camera to capture specific images. They will learn graphic design elements while creating page layouts for the school yearbook.

YEARBOOK 10 (5 credits)

YEARBOOK 20 (5 credits)

YEARBOOK 30 (5 credits)

FILM STUDIES - 24.25 Fee \$20

For the past century motion pictures have flourished as the most pervasive medium for entertainment and expression, blending art with new technology in ever-changing ways. Film Studies explores the kind of art form film is today, as well as the ways this medium has developed and shaped popular culture around the world over the past hundred years. From an examination of prevalent film genres and significant directors to the place of different national cinema traditions in an increasingly globalized context, Film Studies provides critical tools as well as the historical and theoretical frameworks for making sense of visual culture in the twenty-first century.

FILM STUDIES 10 (5 credits)

FILM STUDIES 20 (5 credits)

FILM STUDIES 30 (5 credits)

CONSTRUCTION - 24.25 Fee \$85

Construction is a course that focuses on students' understanding of construction technologies and techniques. This is a module-based set of courses, and typically there is the possibility of students working on passion projects that may suit their interests. The skill sets expected to be acquired range from standard building techniques to digital manipulation of products.

CONSTRUCTION 10 (5 credits)

CONSTRUCTION 20 (5 credits)

CONSTRUCTION 30 (5 credits)

COMMUNICATION TECHNOLOGY - 24.25 Fee \$30

In Communication Technology students discover the impact of media and develop fundamental skills to effectively relay messages using photography, audio and video. This course is hands-on, and students will complete the course with a portfolio of photographs, audio recordings, and short documentary films.

COM TECH 10 (5 credits)

COM TECH 20 (5 credits)

COM TECH 30 (5 credits)

COSMETOLOGY - 24.25 Fee \$60

Students in Cosmetology will learn a variety of techniques in hairstyling, skincare, and make-up artistry. They will explore a variety of venues for careers within the industry. This class is a great way to get exposure to basic grooming skills or to expand and hone your already existing craft. We focus heavily on braiding, basic up-dos, skincare practices, beauty make-up, and theatrical make-up.

COSMETOLOGY 10 (5 credits)

COSMETOLOGY 20 (5 credits)

COSMETOLOGY 30 (5 credits)

MECHANICS - 24.25 Fee \$80

Mechanics is a course that focuses on students' understanding of automotive technologies and servicing. This is a module-based set of courses, and typically there is the possibility of students working on passion projects that may suit their interests. The skill sets expected to be acquired range from engine work and servicing to auto body and fabrication. Possible modules include:

MECHANICS 10 (5 credits)

MECHANICS 20 (5 credits)

MECHANICS 30 (5 credits)

FOOD STUDIES - 24.25 Fee \$106.50

Students in the Foods program gain valuable skills and expertise in the art and science of cooking. Courses include meal preparation and planning, culinary skills, as well as safety and sanitation training. Completion of the foods program can lead to apprenticeship programs in the food industry. A course fee applies to these courses.

FOODS 10 (5 credits)

FOODS 20 (5 credits)

FOODS 30 (5 credits)

LEADERSHIP - 24.25 Fee \$15

Leadership is a development program that requires students to become more involved in their school and communities. Students continue to develop their leadership skills along with personal growth and group development. Students will be required to public speak as part of this course. Students will be engaged in the planning and implementation of individual, group and community work. Students will work to make a difference through two exciting, student- driven projects that impact school culture in a positive way that includes public speaking. This year-long course is offered in J Block on Friday mornings.

LEADERSHIP 10 (5 credits)

LEADERSHIP 20 (5 credits)

LEADERSHIP 30 (5 credits)

SPORTS MEDICINE - 24.25 Fee \$35

Sports Medicine is a module-based course that offers a logical beginning for those students who are interested in sports medicine fields such as physiotherapy, massage therapy, nursing, medicine, physical education or as an emergency medical technician.

SPORTS MEDICINE 10 (5 credits)

SPORTS MEDICINE 20 (5 credits)

SPORTS MEDICINE 30 (5 credits)

SPORTS PERFORMANCE - 24.25 Fee \$20

Sports Performance is a module-based course designed to enhance athletic development.

SPORTS PERFORMANCE 10 (5 credits)

SPORTS PERFORMANCE 20 (5 credits)

SPORTS PERFORMANCE 30 (5 credits)

CAREER DIRECTIONS AND TRANSITIONS

A course for exploring future career directions and transitions, based on the strengths and preferences of students.

CDT 10 (5 credits)

CDT 20 (5 credits)

CDT 30 (5 credits)

HOCKEY PROGRAM - 24.25 Fee \$271.50

These programs are module based, and each is worth up to 5 credits. The objective of each course is to provide students with specific knowledge of strength and fitness components and a practical strength and fitness experience for enhancing one's own performance in the sport of hockey.

HOCKEY: Attention will be paid to the specific fundamental skills that provide the basis for skating, puck handling, passing and shooting. This course is designed for the enhancement of an individual's skill set and does not emphasize team systems in any way. Two years of hockey experience is recommended, students must have their own equipment for hockey.

HOCKEY PROGRAM 10 (5 credits)

HOCKEY PROGRAM 20 (5 credits)

HOCKEY PROGRAM 30 (5 credits)

Students who take this course typically do not take Sports Performance 10, 20 or 35 as credits earned in these courses generally overlap.

FINE AND PERFORMING ARTS

ART - 24.25 Fee \$40

Welcome to the W.G. Murdoch School Visual Arts experience. Our program is a 10, 20, 30 blended class where you will be able to explore your creativity within a comfortable, collaborative environment. Our emphasis is to allow you to develop your creative thinking skills, artistic ability and application of technique through exploring our diverse range of projects. You just have to have an open mind and a willingness to participate, while allowing yourself to take creative risks. Over the course of the next three years in the Art room, you will experience diverse projects spanning different mediums and ideas that will help you learn to think and practice as an Artist.

ART 10 (5 credits)

ART 20 (5 credits)

ART 30 (5 credits)

DRAMA - 24.25 Fee \$60

Drama and theatre provide the means not only to reconstruct the world as it is, but also to model human possibilities. In this course you will enhance your understanding of drama by participating in productions, interacting with experts in the field, and acquiring practical and theoretical foundations. During your studies you will gain creative thinking skills, research and analytical capabilities, written, verbal and physical communication skills, as well as rigorous practical and theoretical training in drama.

DRAMA 10 (5 credits)

DRAMA 20 (5 credits)

DRAMA 30 (5 credits)

INSTRUMENTAL MUSIC (BAND) - 24.25 Fee \$20

Through Instrumental Music 10, 20, 30 the student develops musical abilities by playing/singing, listening, reading and creating music. These programs consist of three general areas of learning:

- performing: how musical skills are developed; building knowledge and awareness
- listening: how music is understood; appreciating musicians throughout history
- composing: how musical compositions are created; organizing elements of music

Instrumental Music 10, 20, 30 runs all year and switches to Instrumental Music Band 15, 25, 35 during the second semester.

INSTRUMENTAL MUSIC 10/BAND 15 (5 credits)

INSTRUMENTAL MUSIC 20/BAND 25 (5 credits)

INSTRUMENTAL MUSIC 30/BAND 35 (5 credits)

INSTRUMENTAL JAZZ - 24.25 Fee \$20

Prerequisite: Instrumental Music 10/20/30

Through this performance-based program students experience Jazz, Rock and Latin music firsthand by playing in a Jazz Ensemble. Rehearsals run outside of the timetable (Lunch).

INSTRUMENTAL JAZZ 15 (3 credits)

INSTRUMENTAL JAZZ 25 (3 credits)

INSTRUMENTAL JAZZ 35 (3 credits)

OFF-CAMPUS PROGRAMS

GREEN CERTIFICATE PROGRAM (3-10 credits)

Prerequisite: AGR3000

The Green Certificate Program provides students with opportunities to enter a variety of agriculture-related, structured learning pathways as a part of their senior high school program and to earn a credential leading to a career in agribusiness. Students learn on the job, under the direction of experienced farm personnel and under the supervision and administration of AAF and Alberta Education.

The Green Certificate Program currently consists of the nine specializations listed below. AAF is, however, currently considering the addition of new specializations.

- Beekeeper Production Technician
- Cow–Calf Beef Production Technician
- Dairy Production Technician
- Equine Technician
- Feedlot Beef Production Technician
- Field Crop Production Technician
- Greenhouse Technician
- Irrigated Field Crop Production Technician
- Sheep Production Technician
- Swine Production Technician

REGISTERED APPRENTICESHIP PROGRAM (credits vary)

Prerequisite: HCS3000

RAP is a program in which students spend part of their time in school and part of their time in industries involved in registered apprenticeships which are included as one of Alberta's 50 designated trades. Students must be on track to graduate prior to being accepted into the program. Students enrolled in the RAP program are typically, but not necessarily, paid by their employers. Placements for RAP positions are generally arranged by Careers: Next Generation; however, students may arrange their own placement. This placement must be with a ticketed journeyman.

WORK EXPERIENCE 15, 25, 35 (credits vary)

Prerequisite: HCS3000

This sequence of courses is available to all senior high school students. Students work with an employer to complete individually defined learning experiences. One credit is earned for each 25 hours of experience. Students are required to complete the Career Transitions HCS3000 Preparation 1-credit course as a prerequisite or prior to being enrolled in the work experience course. Students are allowed to accumulate a maximum of 30 credits, 15 of which can be used for graduation requirements

DUAL CREDIT PROGRAM (credits vary)

Please meet with our course and career counsellor if you are interested in any of these classes.