

# WINSTON CHURCHILL HIGH SCHOOL

# COURSE DESCRIPTIONS

2025-2026



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**If you have any course selection questions please reach out to Jamie Bach @ [jamie.bach@lethsd.ab.ca](mailto:jamie.bach@lethsd.ab.ca)**



# ENGLISH LANGUAGE ARTS

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**“-1” Course Sequence:** this is an academic stream focused on the entry to post-secondary.

## **English Language Arts 10-1**

*5 credits*

Prerequisite: English 9 - 50%, (Recommended 65%) I want to explore literature and develop strong communication skills. Students learn about patterns in literature and how these patterns assist them to think critically using increasingly complex texts. Reading comprehension and connecting text to self is a focus. Writing personally and critically about text is developed. This course is for students considering careers that require strong reading and communication skills and for those who may be interested in post-secondary education.

## **English Language Arts 20-1**

*5 credits*

Prerequisite: English 10-1 - 50% (Recommended 65%) I want to explore literature more deeply and develop my communication skills. More in-depth analysis of literature and fine tuning of writing skills in a variety of forms. Students showcase their knowledge and understanding through a development of sophisticated writing forms. This course is for students considering careers that require strong reading and communication skills and for those who may be interested in post-secondary education.

# ENGLISH LANGUAGE ARTS

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## English Language Arts 30-1

*5 credits*

Prerequisite: English 20-1 - 50% (Recommended 65%)

I want to demonstrate critical thinking about literature and communication. Students engage in a critical analysis of literature and the writing process with an emphasis on application of that knowledge to both the written and reading comprehension sections of the Diploma Exam. This course is for students considering careers that may require strong reading and communication skills and for those interested in post-secondary education.

*It is NOT recommended that students go from 30-2 to 30-1 as they may not have the background knowledge and skills needed in order to be successful in 30-1. Rather, the transition would be more beneficial at the 20 level. However, securing graduation by taking 30-2 and then enrolling in 30-1 may be the safest route for students who we are not sure will have a reasonable chance of success in 30-1.*

**“-2” Course Sequence: this is a stream focused on the route to graduation and/or post-secondary for select courses.**

## English Language Arts 10-2

*5 credits*

I want to begin to study material I am comfortable with and communicate well with others. In ELA 10-2, students with diverse abilities and goals study different types of texts, written at various levels, that explore issues in Canadian and global contexts. They study extended texts (a novel or nonfiction book, a feature film, and a modern or Shakespearean play) and shorter texts (poetry, short stories, visuals and multimedia, and popular nonfiction). Students are also encouraged to create their own texts, e.g., fiction, nonfiction and reports, poetry, and presentations/media.

# ENGLISH LANGUAGE ARTS

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## English Language Arts 20-2

*5 credits*

Prerequisite: English 10-1 - 40% or English 10-2 - 50%

I want to continue to study material that is relevant to my life and that strengthens my communication with others. In ELA 20-2, students with diverse abilities and goals study different types of texts, written at various levels, that explore issues in Canadian and global contexts. They study extended texts (a novel, a nonfiction book or feature film, and a modern or Shakespearean play) and shorter texts (poetry, short stories, visuals and multimedia, and popular nonfiction). Students are also encouraged to create their own texts, e.g., fiction, nonfiction and proposals, scripts, and presentations/media. Material will often have daily life or practical applications for students. This course is designed for students considering careers that require basic reading and communication skills and for those interested in a range of post-secondary education or other opportunities. A grade of 80% or higher in 20-2 is recommended before enrolling in 20-1.

## English Language Arts 30-2

*5 credits*

Prerequisite: English 20-1 - 40% or English 20-2 - 50%

I have a deeper understanding of relevant materials and can communicate clearly with others. Students gain experience with a variety of literature and development of writing skills in a variety of forms with an emphasis on written expression and reading comprehension and application of that knowledge to the Diploma exam. This course is designed for students considering careers that require basic reading and communication skills and for those interested in a range of post-secondary education or other opportunities.

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# MATHEMATICS

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## Math Department Prerequisites

In order to meet graduation requirements, math must be taken up to a 20-level.

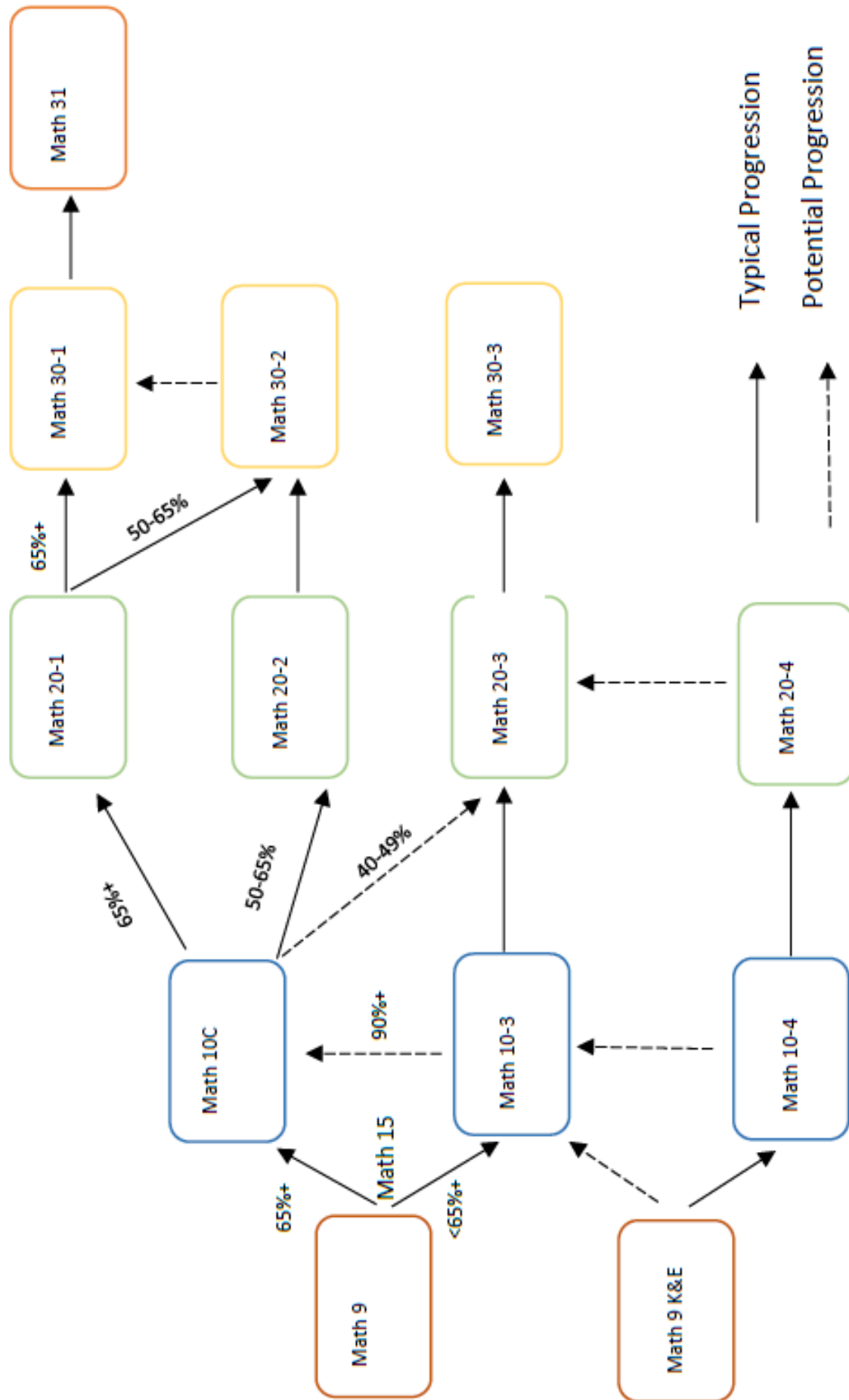
Course sequence descriptions taken from the Alberta Education Math Program of Studies are stated below:

**“-1” Course Sequence:** this course sequence is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of calculus. Topics include algebra and number; measurement; relations and functions; trigonometry; and permutations, combinations and binomial theorem.

**“-2” Course Sequence:** this course sequence is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs ***that do not require the study of calculus***. Topics include geometry, measurement, number and logic, logical reasoning, relations and functions, statistics, and probability.

**“-3” Course Sequence:** this course sequence is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include algebra, geometry, measurement, number, statistics and probability.

# MATHEMATICS





# MATHEMATICS

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## Upon completion of Math 9 (take Math 10-3, 15, 10C, 10ib)

- If a student does not pass Math 9, they must either enroll in Math 10-3 OR Math 15.
- If a student passes Math 9, they can enroll in Math 10C. A mark of 65% or higher in Math 9 is recommended for success in Math 10C.
- Math 15 is for the student who had a mark in Grade 9 math that is at or near the 50% mark but would still like to go into Math 10C. Students with a mark in this range are not sufficiently prepared to succeed in Math 10C, and in this course will expand their knowledge and understanding of mathematical skills and concepts.

Math 15 is not a repeat of Math 9 but is an extension of the math principles from Math 7 – 9. The course places a strong emphasis on skill development needed to succeed in the high school math program.

- If a student has an 85% or higher in Math 9, they should consider enrolling in Math 10ib.

## **Math 15**

*5 credits*

Math 15 is for students intending to take Math 10C, and who have demonstrated basic achievement of Grade 9 level expectations, but who have been challenged by algebra, exponents, fractions, and problem-solving. This course develops competency in mathematical thinking, enhances numeracy and problem-solving skills, and sets students up for success in future courses in mathematics.

# MATHEMATICS

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## Math 10C

*5 credits*

Mathematics 10C is the starting point for the -1 and -2 course sequences. Students in the course study the following topics: Measurement (SI and Imperial), Trigonometry, Polynomial factoring and operations, Systems of equations and Linear relations and functions.

## Math 10-3

*5 credits*

Students solve linear and area measurement problems of 2-D shapes and 3-D objects using SI and imperial units. They use spatial reasoning to solve puzzles; solve problems involving right triangles and angles; solve unit pricing, currency exchange, and income problems; and manipulate formulas to solve problems. They also use scale factors and parallel and perpendicular lines to solve problems.

**Upon completion of 10-Level Courses---->students will then take Math 20-1, 20-2, 20-3 or 20IB.**

A student who passes Math 10-3 should enroll in Math 20-3 next. This is the only 20 level course they can take at this point. Should they want to upgrade and take 10C, a mark of 90% or higher in Math 10-3 is recommended.

A student who successfully passes Math 10C has two options:

- Enroll in Math 20-2, the Foundations of Mathematics stream. Anyone who passes Math 10C can enroll in this course.
- If a student has a 70% or higher in Math 10C, it is recommended they enroll in the Pre-Calculus stream, Math 20-1.

# MATHEMATICS

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**IMPORTANT NOTE:** If a student does not pass Math 10C, but earns at least a 40%, they are encouraged to enroll in Math 20-3 for the next semester. Upon completion of 20-3, they will earn retro credits for 10-3 also-----10 credits all at once. If they want to stay in the -2 or -1 stream in math they MUST RETAKE Math 10C before moving on.

## **Math 20-1**

*5 credits*

This course sequence is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of calculus. Topics include algebra and number; measurement; relations and functions; trigonometry; and permutations, combinations and binomial theorem.

## **Math 20-2**

*5 credits*

Mathematics 20-2 students use proportional reasoning to solve real-life problems involving 2-D shapes and 3-D objects. They use the properties of angles and triangles, including the sine and cosine laws, to solve problems; use reasoning to prove conjectures; use spatial reasoning to solve puzzles; and solve problems that involve radicals. They interpret statistical data, solve problems involving quadratics, and research and present a mathematical topic of their choice.

# MATHEMATICS

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## Math 20-3

*5 credits*

Mathematics 20-3 students solve surface area, volume, and capacity problems. They use primary trigonometry to solve problems involving two or three right triangles, and model and draw 3-D objects and their views to scale. They use numerical reasoning to solve puzzles; create and analyze personal budgets; use proportional reasoning, unit analysis, and manipulation of formulas to solve problems; and create and interpret graphs. Students use their understanding of slope and rate of change to interpret graphs.

**Upon completion of 20-Level Courses ----> students will then take Math 30-1, 30-2, 30-3 or 30IB**

A student who successfully completes Math 20-1 can enroll in Math 30-2 or Math 30-1, both of which are diploma exam courses. If a student has a mark of 70% or higher, they are strongly encouraged to enroll in Math 30-1, where they will continue with pre-calculus material. If a student passes Math 20-1 but plans to do a non-math or science university major, they should consider Math 30-2.

*NOTE: Nursing students can take Math 30-2!*

If a student successfully completes Math 20-2, they should enroll in Math 30-2, a diploma level course.

If a student does not successfully complete Math 20-2, they must either:

- a) retake the course **or**
- b) if they earned at least a 40% but below a 50%, they may move up to Math 30-3 and earn retro credits for 20-3.

# MATHEMATICS

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If a student successfully completes Math 20-3, they are encouraged to register for Math 30-3, which is a non-diploma exam course.

You can only enroll in IB courses at the 20 and 30 level if you have been successful in Math 10IB!

## **Math 30-1**

*5 credits*

Students investigate the properties of logarithms; study the characteristics and transformations of trigonometric, polynomial, exponential, and logarithmic functions by sketching and analyzing their graphs; and solve equations and problems related to these functions. Students also use basic counting principles to determine the number of permutations or combinations of the elements of a set to solve problems.

## **Math 30-2**

*5 credits*

Students use numerical and logical reasoning to solve puzzles, and solve real-life problems about the probability of events occurring. They solve problems algebraically involving rational equations; investigate exponential, logarithmic, polynomial, and sinusoidal functions; and research and present a mathematical topic of their choice.

## **Math 30-3**

*5 credits*

Students investigate the limitations of measuring instruments, use trigonometry to solve problems involving triangles, and describe and illustrate properties of polygons.

# MATHEMATICS

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## Extra Courses: Math 31 & Math 31IB

- A student planning on going into a career rooted in mathematics, engineering, science and technology should enroll in Math 31 during their grade 12 year. This is a 5-credit course which does not have a diploma exam. It is a Calculus course and will better prepare you for courses at the university level.

### Math 31, 31IB (calculus)

*5 credits*

Math 31 is designed to introduce students to the mathematical methods of calculus. The course builds on students' existing knowledge from the Mathematics 10C, 20-1, and 30-1 curriculums, and expands this knowledge into the understanding of limits, derivatives, and integrals. Emphasis in this course will be placed on preparation to study further calculus courses in university or technical schools.



# SCIENCE

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## **Science 10**

*5 credits*

This general science course includes an introduction to biology, chemistry, and physics and meets the needs of students planning to take post-secondary studies. Students taking this course should also be enrolled in Math 10-C.

## **Science 14**

*5 credits*

Science 14 is for students who did not achieve 65% or higher in Science 9 OR who are enrolled in Math 10-3. This is a general science course that explores the following topics: the environment, household products, body systems, and technological change.

## **Science 20**

*5 credits*

This course sequence is designed for students planning post-secondary studies. Students in Science 20 extend their study of the biological, chemical, physical, and Earth sciences and apply their knowledge to real-life problems. They investigate Newton's laws of motion, the properties of hydrocarbons, and the chemistry of solutions. They examine evidence of how Earth's surface, climate, and life forms have changed and continue to change and cycle in response to natural and human actions. Students will write a diploma exam at the end of Science 30.

## **Science 24**

*5 credits*

Science 24 is a general science course that will complete the 10 credit science requirement for a high school diploma. This course involves study in the following areas: matter and chemical change; energy conversion systems; disease defense and human health; and transportation safety.



# SCIENCE

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## **Science 14/24**

*10 credits*

Students taking this course have the opportunity to receive 10 credits (5 for each course) in one semester.

## **Biology 20**

*5 credits*

This course sequence is intended for students interested in the science of living things and planning post-secondary studies. Human body systems, genetics, and reproduction are examples of the many topics covered in biology.

## **Chemistry 20**

*5 credits*

This course sequence is intended for students planning post-secondary studies. Gas laws, acids & bases, stoichiometry, thermochemistry, electrochemistry, and organic chemistry are some of the topics covered in chemistry.

## **Physics 20**

*5 credits*

This course sequence is intended for students planning post-secondary studies. Energy and matter are common themes in both courses. Topics studied include motion, forces and fields, and atomic physics.





# SCIENCE

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## **Science 30**

*5 credits*

This is a diploma exam course designed for students planning post-secondary studies. Any student who has passed at least one of the following courses may take Science 30: Biology 20, Chemistry 20, Physics 20, or Science 20. Students will sharpen their scientific skills and explore a wide range of scientific concepts to strengthen their foundations in science. Topics of study include human systems and health, environmentally sustainable solutions for meeting global energy needs, impacts of chemicals in society and the environment, and the properties and applications of electromagnetic energy.

## **Biology 30**

*5 credits*

This course sequence is intended for students interested in the science of living things and planning post-secondary studies. Human body systems, genetics, and reproduction are examples of the many topics covered in biology.

## **Chemistry 30**

*5 credits*

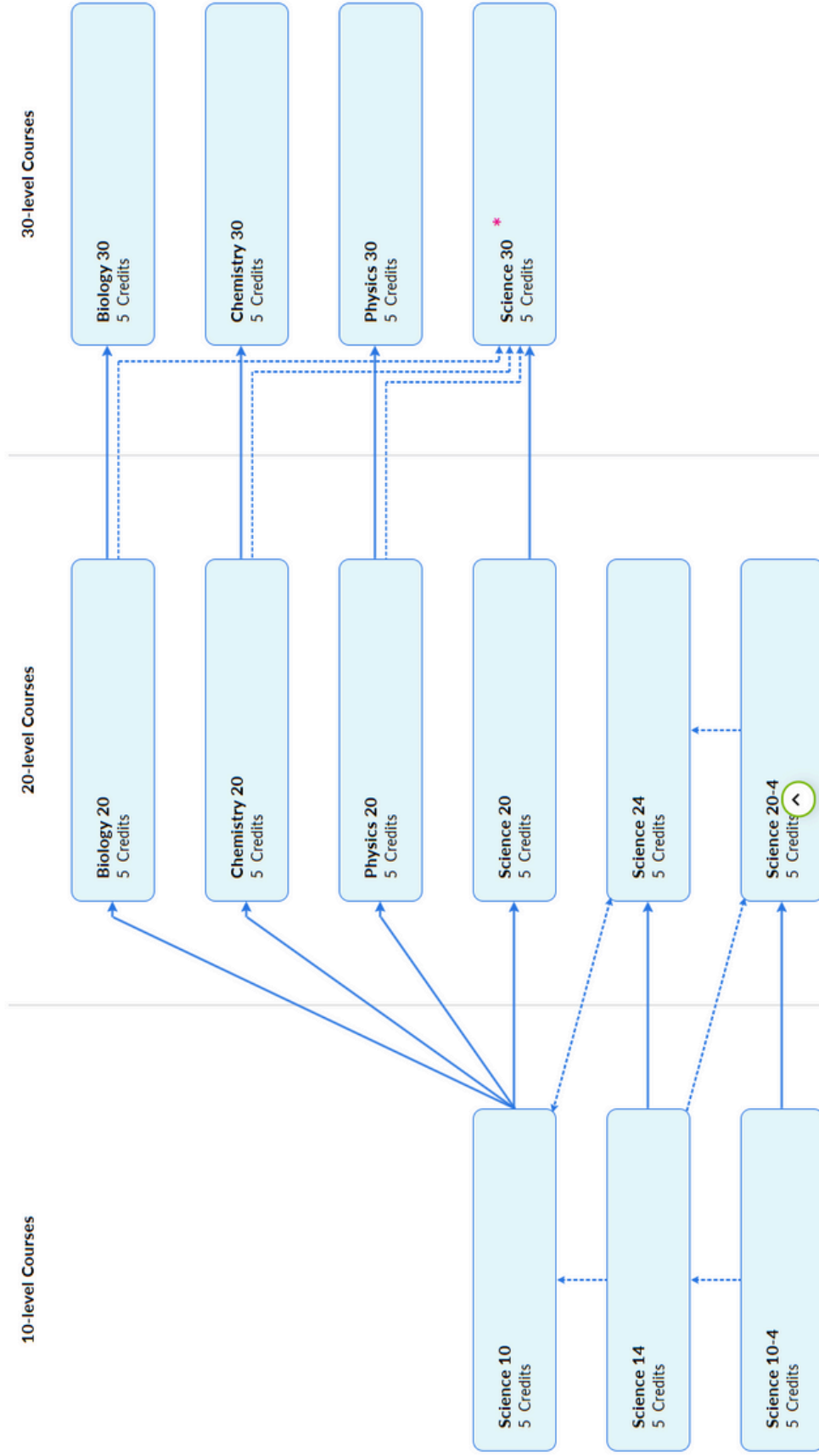
This course sequence is intended for students planning post-secondary studies. Gas laws, acids & bases, stoichiometry, thermochemistry, electrochemistry, and organic chemistry are some of the topics covered in chemistry.

## **Physics 30**

*5 credits*

This course sequence is intended for students planning post-secondary studies. Energy and matter are common themes in both courses. Topics studied include motion, forces and fields, and atomic physics.

# SCIENCE



# SOCIAL STUDIES

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## **Social Studies 10-1**

*5 credits*

What is globalization and how does it affect us? Social Studies 10-1 students explore the changing meaning of identity and citizenship in a globalizing world, while also understanding the impacts of globalization, both positive and negative, on people worldwide.

## **Social Studies 10-2**

*5 credits*

What is globalization and how does it impact me? Social Studies 10-2 students explore the history and effects of globalization. They develop an understanding of the impact that globalization has on people's identity and citizenship, while addressing emerging issues that globalization presents.

## **Social Studies 20-1**

*5 credits*

What is nationalism and how does it affect us? Social Studies 20-1 students look at the origins and effects of nationalism and weigh its benefits and limitations. They examine issues related to nationalism and consider impacts on individuals, international relations, and citizenship.

## **Social Studies 20-2**

*5 credits*

What is nationalism and how does it affect me? In Social Studies 20-2, students examine the origins and effects of nationalism from various perspectives, developing an understanding of the impact of nationalism on individuals, international relations, and citizenship in Canada.

# SOCIAL STUDIES

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## Social Studies 30-1

*5 credits*

What are ideologies and how do they affect us? Social Studies 30-1 students examine multiple perspectives on various ideologies and on the influence of these ideologies, focusing particularly on liberalism. They develop an understanding of how ideologies can shape us and our world.

## Social Studies 30-2

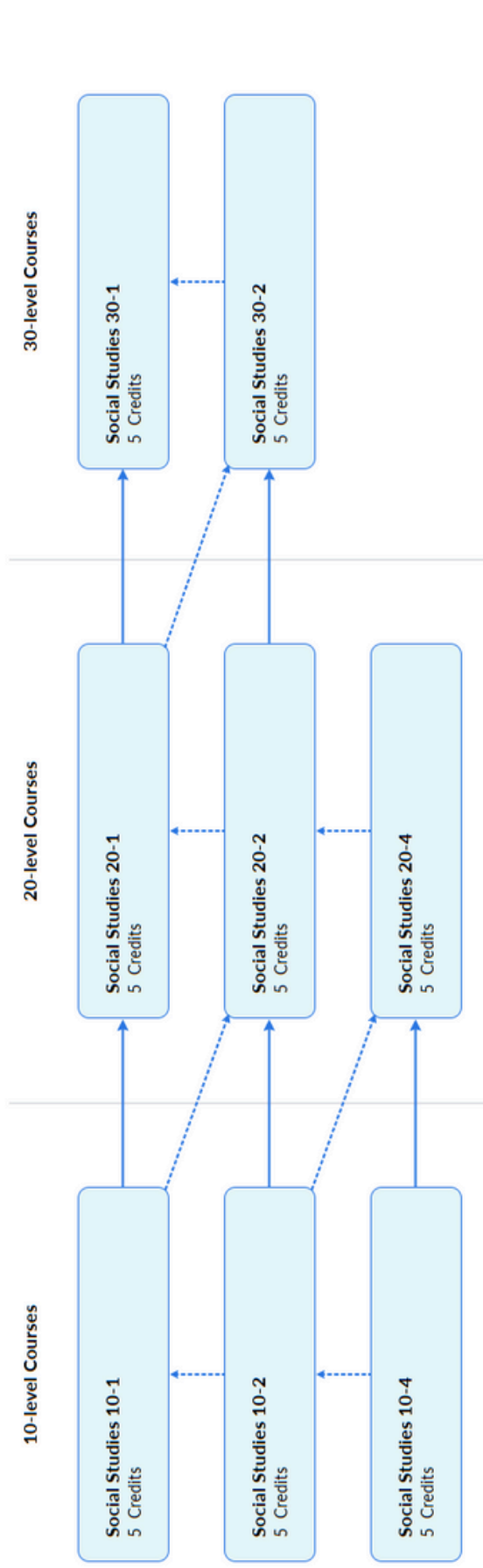
*5 credits*

What are ideologies and how do they affect us? Social Studies 30-2 students will examine multiple perspectives on various ideologies, focusing in particular on liberalism. They will develop an understanding of how ideologies can shape us and our world.



# SOCIAL STUDIES

Click a course to highlight the courses a student can take next.      Typical Progression      Possible Progression



# PHYSICAL EDUCATION

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## **Physical Education 10**

*3 credits*

Through activities in the school and community, students will explore their physical abilities and improve their fitness level. They will understand that fitness impacts well-being and body image.

Communicating with others, your teen will develop a sense of fair play and exercise their leadership abilities. They will discover the importance of safe, active living for life; set goals; and challenge themselves as part of an active, healthy lifestyle.

## **Active Living 10**

*3 credits*

The overall objective in Active Living 10 is to develop in each student an understanding of the relationship of good body function and exercise; to motivate each student to develop physical fitness; to foster good social and emotional adjustment and to enable students to discover and develop their individual talents through physical development. In Active Living student will focus on more individual pursuits of activity rather than large team games. Students will receive PE 10 credits upon successful completion of Active Living 10.

## **Career & Life Management 20**

*3 credits*

Students will enhance their ability to make good choices today and in the future. They will examine health holistically: the emotional, intellectual, social, spiritual, and physical dimensions. They will learn how to make responsible choices about money and other resources, and they'll learn that their decisions are based on their values and goals. Students will continue to plot out their career path as they plan for life after senior high school.

# PHYSICAL EDUCATION

## Physical Education 20

*5 credits*

Through activities in the school and community, your teen will explore what they are capable of and improve their physical abilities. They will enjoy better fitness and well-being and an improved body image. Communicating with others, they will develop a sense of fair play and exercise their leadership abilities. Your teen will understand the importance of safe, active living for life, and they'll set goals and challenge themselves as part of an active, healthy lifestyle.

**course fee: \$65.00**

## Physical Education 30

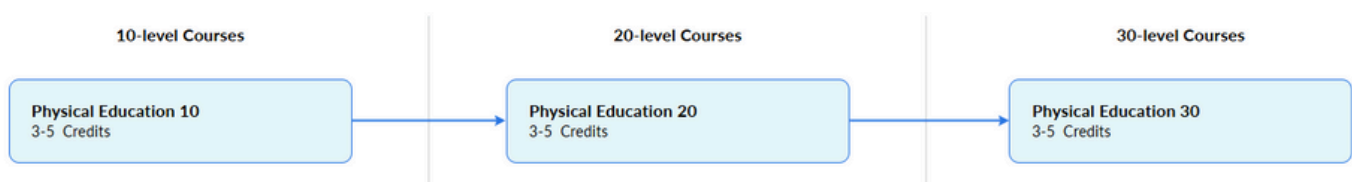
*5 credits*

Through activities in the school and community, your teen will explore what they are capable of and improve their physical abilities. They will enjoy better fitness and well-being and an improved body image. Communicating with others, they will develop a sense of fair play and exercise their leadership abilities. Your teen will understand the importance of safe, active living for life, and they'll set goals and challenge themselves as part of an active, healthy lifestyle.

**course fee: \$65.00**

Click a course to highlight the courses a student can take next.

→ Typical Progression    ...→ Possible Progression





# GR. 10-12 ELECTIVES

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## **Agri-Gardening 10/20/30**

*5(on average) credits*

Explore the world of plants and gardening! This course digs into the health, growth, and harvesting of garden produce, flowers, and foliage. Topics covered include optimum growing requirements and conditions, different types of plants (indoor vs. outdoor), garden design, and different methodologies of growing and maintaining plants and gardens. Participants will leave with the skills to grow their own personal gardens and/or begin work in the industry.

<https://youtu.be/o4iY-uqVf7A?si=qzTfs7E6WKPtE7ZR> Click here to learn more.

## **Art 10/20/30**

*5 credits*

This course introduces the student to the use of art materials and various art media, and to the elements of two- and three-dimensional design. Students work in five major art areas: drawing, painting, printmaking, sculpture, and ceramics. Evaluations are based upon studio work as well as written and oral critiques. Art 10 leads to Art 20 and then Art 30.

**Course Fee = \$30.00**

*\*\*Please note: successful completion of Art 10 is a prerequisite for admission to the IB Art program.*

## **Band 10/20/30**

*5 credits*

Band is a performance-oriented course scheduled on a full-year basis. As well as attending regular rehearsals, students are expected to participate in various performances outside of regular school time throughout the school year. The students will be exposed to various styles of music so as to broaden their music appreciation. The more enthusiastic students may also choose to participate in various ensembles. While Band does not have any formal prerequisite, students should have some previous band experience.

**There is an instrument rental fee of \$102.00 (if applicable).**



# GR. 10-12 ELECTIVES

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## **Beginner Music**

*5 credits*

This course is designed for students who have little or no formal training in music but have always wanted to learn. Students will learn about music through hands-on activities and will apply that knowledge to an instrument of their choice. Access to an instrument at home can be helpful but is not required.

## **Business Foundations 10/20/30**

*5 (on average) credits*

Come learn and earn at the same time. This program is recommended for students planning a career in business or aspiring to run their own business. It is designed to help students create something of value that they can sell to earn a profit. To do so, students will learn concepts from a range of business topics, such as accounting, finance, branding, marketing, and entrepreneurship.

## **Jazz Band 10, 20, 30**

*5 credits*

Jazz Band is a performance-oriented course offered on a full-year basis. In addition to regular rehearsals, students are expected to participate in various performances outside of regular school time throughout the school year. Jazz, jazz-rock, popular music, jazz theory and improvisation make up the course curriculum. This course also provides opportunities for small ensemble experience.

**There is an instrument rental fee of \$102.00 (if applicable).**

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# GR. 10-12 ELECTIVES

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## **Choral Music 10, 20, 30**

*5 credits*

The aim of the choral program is expansion of the individual's vocal abilities while functioning as an integral member of a chorus. A broad variety of choral literatures, from classical to contemporary works, form the basis of the course. The student is given opportunities to broaden his/her musical experience through a variety of public performances and workshops. It is a course requirement that all students participate in at least two major performances outside school. Music 10 is scheduled on a full-year basis.

## **Churchill Health and Fitness 10, 20, 30**

*5 (on average) credits*

Students will learn theory in the fields of General Health & Wellness, Anatomy, Physiology, Psychology, Nutrition, Kinesiology, as well as Sport Performance. After completion of course modules, students will develop and participate in several cycles of a personalized training program to help them understand the mechanics of lifting, training safely and efficiently, and improve athletic performance based on their own goal setting. Throughout the semester students will track and reflect on their own physical progression, sleep, and nutrition to meet sport specific fitness goals. Students will be exposed to different training techniques, both at school and on off-campus trips to multiple settings.

**Course Fee = \$35.00**

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# GR. 10-12 ELECTIVES

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## **Construction 10/20/30**

*5 (on average) credits*

This course allows students to investigate and develop important skills and attitudes related to project design, construction, and maintenance. Students will learn wood shop theory and complete personal projects but also participate in small off-site construction projects (if available) and go on field trips to various construction sites. This is a hands-on course which always actively involves students.

**Course Fee = \$55.00**

## **Computer Science 10/20/30**

*5 (on average) credits*

Computer Science students will develop foundational skills in computer programming and pursue areas of interest in computer science. Grade 10 student typically develop foundational programming skills while grade 11 and 12 students have more freedom to pursue one or more of the following pathways of interest: Web Development, Game Development, Database Management, Robotics Programming, App Development and Robotics Electronics.

**Course Fee = \$30.00**

## **Dance 15, 25, 35**

*5 credits*

Dance 15/25 will be a technical dance class in which students will learn a series of dance techniques which will be incorporated into choreographed routines students will learn and perform. Elements of other styles such as ballet, modern, jazz and hip-hop, may be explored. Students will also have the opportunity to engage in Dance research and appreciation.

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# GR. 10-12 ELECTIVES

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## **Drama 10/20/30**

*5 credits*

Drama 10 introduces the fundamentals of drama as well as encouraging student creativity and imagination. The emphasis in Drama 10 is on group involvement rather than individual participation. Students may go on to Drama 20 and 30. In Drama 20 and 30 students will have the opportunity to pursue theatre production, with an emphasis on the performance. Students may have the chance to explore one acts, puppetry, radio drama, and other various performance types.

## **Fashion 10/20/30**

*5 (on average) credits*

The Fashion Studies Program allows students to gain expertise in lifetime skills while exploring their creativity. Clothing Construction, Couture, Costuming, Fashion Illustration, Fashion Design, Merchandising, Fiber Arts, and Digital Embroidery are some of the pathways that can be explored in the over 40 courses offered at the three levels. Students expand on areas of interest and skill level. Students will develop an insight into the Fashion Industry which may lead into the workplace or a related post-secondary program.

**Course Fee = \$35.00**

## **Foods 10/20/30**

*5 (on average) credits*

This course sequence enables students to develop a broad interest in foods in such a way that they are motivated to continue practicing and learning about food. Students will cultivate their individual talents and interests through the study of Food Basics, Baking Basics, Meal Planning for Enjoyment, Convenience Foods, Simple Snacks and Canadian Foods.

**Course Fee = \$55.00**

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# GR. 10-12 ELECTIVES

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## **Film & Media 15/25/35**

*5 credits each*

The focus of Film Studies 15-25-35 is on the exploration of film as an artistic form of expression. This course is designed to provide innovative and unique ways for students to engage in the study of this art form as well as the technological and literary aspects of the medium. Film Studies 15-25-35 provides students will opportunities to engage with the artistic aspect of the film medium. Students will study film which encompasses narrative, technical and artistic elements; therefore, this course is designed as the artistic bridge to connect the literary elements within Language Arts and the technological elements within Career and Technology Studies.

## **French IB**

*5 credits*

French 10i is an intermediate French course that lays the foundation for the two-year French Language B SL course. (French 20i and 30i). Students will be given opportunities to develop their linguistic competence (speaking, listening, reading and writing) and intercultural understanding. Previous French experience is required.

## **Indigenous Leadership 15/25/35**

*5 credits each*

Indigenous Leadership is a course for Indigenous students at Churchill to have a place to learn, teach and express their culture. We explore Blackfoot language and culture as well as other Indigenous cultures in the world. We explore the land around us as well as the different aspects of life using the medicine wheel: mental, physical, spiritual and emotional. We connect to people in our school, division and community. Indigenous leadership is a class for students in Grade 10, 11 and 12

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# GR. 10-12 ELECTIVES

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## **Leadership 15/25/35**

*5 credits each*

The emphasis of the course is leadership, character development and social responsibility. The students will demonstrate their understanding of the critical values and attitudes needed to become a leader of oneself, therefore, being able to lead others by example. Students will actively engage in the delivery and scope of this class by leading various in-class and out of class endeavors. This engagement will encourage students to take a leadership role and exemplify what they have learned throughout their exploration of leadership. Through this involvement students will also refine their leadership style, personal vision and their life's direction, and an understanding of their social responsibilities.

## **Multimedia 10/20/30**

*5 (on average) credits each*

Visual learners often become creative earners. In multimedia, sometimes referred to as visual communications, students will create a wide range of digital artwork, learn design theory, explore career opportunities, and discover their passions. Multimedia 10 is designed to expose students to diverse forms of media (e.g., drawing, print design, video production, animation, photography, etc.). As students continue in the program, they are afforded more opportunities to plan and produce personal passion projects and narrow in on a specific medium(s).

[Multimedia Promo Video](#)

**Course Fee = \$30.00**

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# GR. 10-12 ELECTIVES

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## **Music Studio/Music IB**

*5 credits*

This course is designed for students with some formal background in music and experience in at least one instrument or voice. Students will dig deeper into musical topics, learning to be researchers, creators, and performers of music. This course follows the IB Music curriculum, but students do not need to be in IB to enroll.

## **Musical Theatre 15/25/35**

*5 credits*

Welcome to Musical Theatre 15/25! This high school course offers students a thrilling exploration of acting, singing, and dancing, culminating in a dynamic production at semester's end. Through hands-on instruction and collaborative rehearsals, participants will develop skills in character development, vocal technique, choreography, and stage presence. Auditions for the musical take place in May/June, providing students the opportunity to shine in leading roles or contribute to the ensemble. For updates and further information, follow @ChurchillDrama on Instagram or contact Emily Morrison via Teams. Join us in celebrating the magic of musical theatre!

**Course Fee = \$60.00**

## **Outdoor Education 10/20/30**

*5 (on average) credits*

Outdoor Education is a CTS class that focusses on learning about Wildlife Management, Wildlife Conservation, Hunting and Game Management, Angling and Fish Management, Bow Hunting, Survival Skills, Wilderness Navigation, and many other related activities. Outdoor Education has a large archery component. Students typically shoot archery approximately 1/3 of class time.

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# GR. 10-12 ELECTIVES

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We also participate in outdoor activities such as orienteering and survival training. Hunters Education Certification is offered to grade 10 students and Pleasure Craft Operator Certification is offered to grade 11 students.

<https://youtu.be/GiGQzf4CRjQ>.

**Course Fee = \$35.00**

## **Psychology**

6 credits

<https://education.alberta.ca/media/159533/psychology-20-30.pdf>

Psychology is designed to help you develop the skills and understandings that make it possible for more effective living in our complex environment. We will focus on the scientific approach to understanding human behavior so that you may appreciate the reasons that underlie your own behavior. The course is divided into two chapters: Personal Psychology (3 credits) and General Psychology (3 credits).

## **Reading Foundations A & B**

*5 credits*

Reading Foundations is a class to give you designated time to read for pleasure. There are no assigned novels in this class; you can bring your own book from home or find a great read at the school! Reading Foundations A & B requires that you create a reading notebook to reflect on your own reading, but there are no essays or reading comprehension questions. If you love to read, or want to rekindle your love of reading, this is a great 5 credit option course.

**\*\*Please note there is no Reading 35\*\***

## **Robotics 10/20/30**

*5 (on average) credits*

Robotics students will develop foundational skills in mechanical engineering, software engineering and electrical engineering.

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# GR. 10-12 ELECTIVES

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Grade 10 student typically develop foundational skills while grade 11 and 12 students have more freedom to pursue more project-based work.

**Course Fee: \$30.00**

## **Spanish 10/20/30**

*5 credits*

Spanish 10 is a basic introduction to the Spanish language. The course is intended for students who have very little or no background in Spanish. Course content includes the development of communication skills, vocabulary acquisition, and an exploration of Spanish and Latin American cultures. Successful completion of Spanish 10 leads to Spanish 20 and 30.

## **Sports Medicine 15/25/35**

The sports medicine course at Churchill has been designed to give students an opportunity to learn about the various facets of sports injuries, first aid care, training room management, game care management and the various professions related to sports medicine. This course will be module-based and will focus on the following areas:

- Health and Wellness
- Injury prevention and management
- Musculo-skeletal system
- Therapeutic Modalities
- First aid/CPR
- Understanding various taping techniques
- Practical application (taping, working with teams, etc.)

Students will have an opportunity to learn how to care for and manage sport-related injuries by completing a practical portion of the course.

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# GR. 10-12 ELECTIVES

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Students will work with sports teams to practice taping methods, apply care to injuries as well as focus on injury prevention and management.

This course is designed for students who are interested in sport-related injury & care and interested in a profession in the sports medicine field.

**Course Fee = \$35.00**

## **Tae Kwon Do**

*5 (on average) credits*

This class is offered to students with an interest in learning a traditional martial art. Students will learn the fundamental movements, stances, blocks, punches, and kicks of one of the world's most dynamic self-defense forms. Classes are offered in a safe, traditional format following the tenets of Tae Kwon-Do, Courtesy, Integrity, Perseverance, self-control, and Indomitable Spirit.

Instruction will focus on the white belt to yellow belt curriculum. No previous experience is necessary.

When choosing this option please keep in mind that this class will require physical exertion each session and requires members to always pay strict attention to the instructor. Students will be expected to maintain a clean uniform and participate to their best ability each class. Classes run after school. Students come twice per week. There is flexibility for students to allow participation in school sports. Beginners are welcome to start in September. No previous experience is necessary. Students can earn three credits each semester.

**Course Fee = \$35.00 (uniform)**

# GR. 10-12 ELECTIVES

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## **Tech Theatre 15/25/35**

*5 credits*

This course is designed to offer students an opportunity to explore and experience the skills necessary to realize a theatrical performance through the exploration and application of the technical aspects of theatre. Students will have the opportunity to be creative and innovative and apply multiple literacies as they solve complex problems and work toward a theatrical performance. Throughout the course, students will explore various areas of Technical Theatre including Theatre Safety, Stage Management, Sound, Lighting, Set Design and Properties, Costumes and Make-up.

## **Local & Canadian Geography 20 / World Geography 30**

*3 credits each*

Geography 20/30 combines both Canadian and World Geography into two 3 credit courses completed in a single semester. Largely project based, students will explore both physical and human geography. From understanding settlement patterns in our own city, to understanding the human impact of population growth on a global level, this inquiry-based course will foster an appreciation of the effects our world has on us, the influence we have upon the world. Let's explore the globe together!

## **Welding 10/20/30**

*5 (on average) credits*

This course is open to students of all skill levels, from beginners to those with prior experience. Students will learn essential welding and metal fabrication techniques, including MIG and stick welding, while emphasizing problem-solving, creativity, and precision. Safety and industry best practices will be key components as students work on real-world projects.

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# GR. 10-12 ELECTIVES

Experienced students will have the opportunity to refine their skills and focus on techniques essential for entering the trades. Whether you're exploring welding for the first time or preparing for a career in the skilled trades, this course provides a hands-on, exciting experience.

**Course Fee = \$50.00**



# KNOWLEDGE AND EMPLOYABILITY OCCUPATIONAL COURSES

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## English Language Arts - K & E

### English 10-4

*5 credits*

In Knowledge and Employability ELA 10-4, students who have experienced challenges or difficulty with their skills in ELA are shown additional strategies for success. Materials have practical applications for students and support development of reading comprehension, communication, and other occupational skills. Students may also be required to create their own brief texts. This course is part of a sequence designed for students who may transition directly into the world of work, pursue further training/courses, or pursue other opportunities that may not require post-secondary education.

### English 20-4

*5 credits*

In Knowledge and Employability ELA 20-4, students who have experienced challenges or difficulty with their skills in ELA are shown additional strategies for success. Materials have practical applications for students and support development of reading comprehension, communication, and other occupational skills. Students may be required to create their own brief texts. This course is part of a sequence designed for students who may transition directly into the world of work, pursue further training/courses, or pursue other opportunities that may not require post-secondary education.

### English 30-4

*5 credits*

In Knowledge and Employability ELA 30-4, students who have experienced challenges or difficulty with their skills in ELA are shown

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# KNOWLEDGE AND EMPLOYABILITY OCCUPATIONAL COURSES

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additional strategies for success. Materials have practical applications for students and support development of reading comprehension, communication, and other occupational skills. Students may be required to create their own brief texts. This course is the last in a sequence designed for students who may transition directly into the world of work, pursue further training/courses, or pursue other opportunities that may not require post-secondary education.

## Mathematics - K & E

### Mathematics 10-4

*5 credits*

Knowledge and Employability Mathematics 10-4 students solve everyday problems involving numbers and percent's; explore patterns, variables, expressions, and equations to solve problems; and solve problems involving estimation, measurement, and comparison of objects. Students use visualization and symmetry to explore objects, shapes, patterns, and designs; develop and apply a plan to collect, display, and analyze data and information; and connect mathematical ideas to their everyday lives.

### Math 20-4

*5 credits*

Knowledge and Employability Mathematics 20-4 students solve everyday problems involving numbers and percent's and decide if the processes used are reasonable. They explore patterns, variables, and expressions, and interpret variables, equations, and relationships, to solve problems in practical situations. They estimate, measure, and compare objects; read and interpret scale drawings and maps; develop and apply a plan to collect, display, and analyze information; and use probability and statistics to make predictions and decisions. In most of their studies, Mathematics 20-4 students connect mathematical ideas to their everyday lives.



# KNOWLEDGE AND EMPLOYABILITY OCCUPATIONAL COURSES

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## Social Studies - K & E

### **Social Studies 10-4**

*5 credits*

What is globalization and how does it affect me? Knowledge and Employability Social Studies 10-4 students will look at the history of globalization and understand various viewpoints on the effects that globalization has on individuals, local communities, and the world as a whole. Students who have experienced challenges or difficulty with their skills will be provided with additional strategies for success in the Knowledge and Employability -4 course sequence.

### **Social Studies 20-4**

*5 credits*

What is nationalism and how does it affect us? In Knowledge and Employability Social Studies 20-4, students explore the development of nationalism as well as its effects, considering various perspectives on the idea of nation in Canada. They develop an understanding of the impact of nationalism on individuals, international relations, and citizenship. Students who have experienced challenges or difficulty with their skills will be provided with additional strategies for success in the Knowledge and Employability -4 course sequence.

## Science - K & E

### **Science 14**

*5 credits*

In Knowledge and Employability Science 14 students learn about the atom, the periodic table, and the safe handling of chemicals. They investigate how energy is transferred in machines, and they examine the digestive and circulatory systems, including ways to keep these systems healthy.

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# KNOWLEDGE AND EMPLOYABILITY OCCUPATIONAL COURSES

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Students also explore how human activities influence the flow of matter and energy in the biosphere.

## **Science 24**

*5 credits*

In Knowledge and Employability Science 24 students investigate common chemical reactions and examine energy conversions in biological, chemical, physical, and technological systems. They learn about human health and the immune system. They also investigate the principles that describe the motion of objects and apply their knowledge to real-life situations.

## **K&E Occupational Courses**

Art/Media Communications: 10-4/20-4/30-4

[https://education.alberta.ca/media/1089121/art10\\_06.pdf](https://education.alberta.ca/media/1089121/art10_06.pdf)

Business Services 10-4 then either:

- Office Services 20-4/30-4
- Sales and Services 20-4/30-4

[https://education.alberta.ca/media/1089124/bus10\\_06.pdf](https://education.alberta.ca/media/1089124/bus10_06.pdf)

Construction: Building 10-4/20-4/30-4

[https://education.alberta.ca/media/1089125/constrb10\\_06.pdf](https://education.alberta.ca/media/1089125/constrb10_06.pdf)

Construction: Metal Fabrication 10-4/20-4/30-4

[https://education.alberta.ca/media/1089126/constrm10\\_06.pdf](https://education.alberta.ca/media/1089126/constrm10_06.pdf)

Fabrics 10-4 then either:

- Fashion Textiles 20-4/30-4
- Industrial Textiles 20-4/30-4

[https://education.alberta.ca/media/1089128/fab10\\_06.pdf](https://education.alberta.ca/media/1089128/fab10_06.pdf)



# KNOWLEDGE AND EMPLOYABILITY OCCUPATIONAL COURSES

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Foods 10-4 then either:

- Commercial Cooking 20-4/30-4
- Food Preparation & Service 20-4/30-4

[https://education.alberta.ca/media/1089129/foods10\\_06.pdf](https://education.alberta.ca/media/1089129/foods10_06.pdf)

Horticulture 10-4 then either:

- Greenhouse & Nursery 20-4/30-4
- Landscaping 20-4/30-4

[Microsoft Word - Horticulture.doc](#)

Workplace Readiness 10-4/20-4/30-4

[https://education.alberta.ca/media/563454/work10\\_06.pdf](https://education.alberta.ca/media/563454/work10_06.pdf)

# INTERNATIONAL BACCALAUREATE PROGRAM (IB)

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## International Baccalaureate Program (IB) Course Offerings:

- English 10i, 20i, 30i
- Math 10i, 20i, 30i, 31i
- Science 10i
- Social Studies 10i, 20i, 30i
- Chemistry 20i, 30i, 25 (Extension)
- Biology 20i, 30i, 25 (Higher)
- Spanish 10i, 20i, 30i
- French 10i, 20i, 30i
- Art 10i, 20i, 30i
- Music 10i, 20i, 30i
- Drama 10i, 20i, 20i
- English Literature 25i
- International Politics 25i
- Theory of Knowledge

**IB Program Fee = \$100.00**

**IB Program Exam Fee = \$200.00 (only applied if a student signs up but does not write)**

**For more information about IB please visit:**

**<https://www.ibo.org/>**

**or**

**<https://wchs.lethsd.ab.ca/programs/international-baccalaureate-program>**