

CHINOOK HIGH SCHOOL



Course Descriptions Grade 10-12 (2022-2023)



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*** electives, options and supplementary fees are subject to change

Science

Science 14-24

The criteria for an Alberta High School Diploma requires students to have successfully completed two high school science courses for 10 science credits. Successful completion of Science 14 and 24 satisfy this requirement. It should be noted that these courses do not qualify as prerequisites for many college programs nor university entrance. These courses are a good choice for a student who struggled in Science 9 or Science 10 (i.e. less than 60%).

The science 14 & 24 courses provide opportunities for students to develop knowledge, skills and attitudes that they need to explore interests, to solve problems, make decisions and prepare for further education and careers.

Science 10/20/30

Science 10/20/30 is an integrated academic program that combines **biology**, **chemistry**, **physics** and **earth** sciences into one course. The focus is on helping you to understand the scientific principles behind the natural events you experience and the technology you use in your daily life. This stream leads to a diploma at the end of Science 30.

Note: You can take this course even if you have taken Chemistry, Biology, and Physics.

This course route is ideal for those students who:

- do not want to pick a specific science stream – you get a little bit of all three + extras
- don't need a specific science for post-secondary (Ex: someone going into fine arts)
- someone that needs another 30 level course for post-secondary – even if they have already take another 30 level science

Pre-requisite:

- Science 20: Science 10 + Math 10C (recommended)
- Science 30: Science 20, Chem 20, Bio 20 or Physics 20 + Math 10C (recommended)



Biology 20/30

Biology 20

This academic course involves the study of our world and the important interactions that maintain our biosphere. We will look at our dependency on plants and our connection to other animals, maintaining equilibrium within ecosystems, and human systems including the circulatory, excretory, digestive and motor systems!

Prerequisite: Science 10 (50% min, recommended 65%)

Biology 30

This academic diploma course involves the concept of homeostasis at all molecular levels. We will examine the nervous system, endocrine system and reproductive systems, molecular genetics and cell division, protein synthesis, and population and community dynamics!

Prerequisite: Biology 20 (50% min, recommended 65%)

Chemistry 20/30

Chemistry 20

Chemistry 20 is the second course towards completion of the chemistry program from Alberta Education. This introductory chemistry course builds on basic content started in Science 10 and introduces students to the topics required to describe chemicals and chemical systems.

Prerequisite: Successful completion of Chemistry 20 serves as a prerequisite for Chemistry 30. The chemistry program is designed for students planning a post-secondary education. It is also recommended that students taking chemistry have a strong math background (10C).

Chemistry 30

Chemistry 30 is the last course towards completion of the chemistry program from Alberta Education. This chemistry course builds on basic content started in Science 10 and Chemistry 20 and introduces students to the topics required to describe chemicals and chemical systems. The chemistry program is designed for students planning a post-secondary education. It is also recommended that students taking chemistry have a strong math background (10C – going into either -1 or -2 streams)

Physics

Physics 20

This course provides an introduction to our physical world. Students will learn how and why objects move, through word problems, conducting experiments and exploring other projects.

Prerequisite: This course is largely math based and therefore students are required to have completed both Science 10 and Math 10C as prerequisites. Math 20-1 or 20-2 is not necessary, but recommended.

Physics 30

This course provides physics with a historical context. Students will learn about the discovery of; magnetic fields, electric fields, the atom's structure and subatomic particles, as well as, the formation of electromagnetic radiation.

Students will have homework and readings regularly and should be prepared to make time at home to complete them.

Prerequisite: Students are required to have completed Physics 20 and Math 20-1 or 20-2. Math 30-1 and 30-2 is not necessary, but recommended.



Math

High School Math Overview

In order to meet the graduation requirements in Alberta, students are required to successfully complete a 10-level mathematics course (10C or 10-3) and a 20-level mathematics course (20-1, 20-2, or 20-3).

Math 30-1 and Math 30-2 have a Government Diploma Exam worth 30% of the overall grade. (There is no Diploma Exam for Math 30-3)

A student must pass Math 9 to enrol in Math 10C. Math 10C is THE pre-requisite for both Math 20-1 and Math 20-2.

Each post-secondary institution/faculty determines its own specific Mathematic requirements (if any); please contact specific institutions for actual program requirements.

The following course descriptions include suggested pre-requisite grades.

Although a minimum passing grade of 50% is necessary, the suggested grades help indicate the necessary "learned content" to be a successful at the next level.

Math 15

Math 15 is a 5 credit course intended to help bridge the gap between Math 9 and Math 10C. Students who were unable to find consistent success with the material in math 9 but intend to take Math 10C should consider this course. We will spend time working to develop foundational skills in the areas of polynomials, algebra, exponents, rational numbers and relations. This course will be offered in the first semester. Please note this course does not count toward the math high school graduation requirement. Students will have to go on to take Math 10C or Math 10-3 to meet this requirement.

Math 10C (5 credits)

This is a combined dash-1 and dash-2 course; it is the pre-requisite course for both Math 20-1 and Math 20-2. Algebraic reasoning is the focus of this course; as it is a necessary foundation skill and concept for future courses. Topics include SI and Imperial Measurement, Trigonometry, Polynomial Operations and Equations, Linear Relations and Functions, Systems of Equations.



Math 20-1 and 30-1

This is a rigorous course sequence for students who plan to enter university courses such as engineering, mathematics, sciences, or other programs that require advanced math skills, including the study of calculus.

Topics include Algebraic Reasoning, Functions (an in depth study of quadratic, radical, polynomial, rational, trigonometric, exponential, and logarithmic functions), Trigonometry, Permutations and Combinations, Binomial Theorem (for important applications to Calculus and Statistics)

Math 20-1: **Suggested pre-requisite grade** in Math 10C: **70%** or greater

Math 30-1: **Suggested pre-requisite grade** in Math 20-1: **65%** or greater

Math 20-2 and 30-2

This is a challenging course sequence for students who want to attend university or college, and pursue programs that require a high-end math but not the study of calculus. Topics include Algebraic Reasoning, Relations and Functions (including quadratic, radical, polynomial, rational, sinusoidal, exponential, and logarithmic functions), Logical Reasoning, Trigonometry, Probability, Permutations and Combinations

Prerequisites:

Math 20-2: **Suggested pre-requisite grade** in Math 10C: **60%** or greater

Math 30-2: **Suggested pre-requisite grade** in Math 20-2: **65%** or greater

Math 10-3, 20-3, and 30-3

This is a course sequence for students who want to learn the mathematics needed to enter most trades or want to enter the workforce after high school. Topics include SI and Imperial Measurement, Trigonometry, Reasoning (spatial, proportional, logical), Finance, Statistics, and Probability

Math 31 (Calculus)

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.



English Language Arts

ELA 10-1 and 20-1

Students enrolling in this academic program and course sequence (10-1, 20-1, 30-1) are expected to possess sound reading and writing ability as well as a genuine interest in exploring literature (more deeply at the 20-level) and in the process of developing communication skills. Please visit www.learnalberta.ca/content/mychildlearning/highschool_ela.html for further information about this course.

Prerequisite: Successful completion of the previous level.

ELA 10-2 and 20-2

ELA 10-2 is the first course in the applied program, leading directly to ELA 20-2 on the path to obtaining a high school diploma. Through the study of various relevant texts, ELA 10-2 and 20-2 integrate reading, writing, speaking, listening, viewing and representing skills. Students enrolling in this course are expected to develop sound reading and writing ability as well as strengthen communication skills. Please see http://www.learnalberta.ca/content/mychildlearning/highschool_ela.html for further information about this course.

Prerequisite: Successful completion of the previous level.

English 10-1/10-2: Sports-themed Texts

Critically examine sports and the impact of sports culture while exploring sports-themed texts to build reading, writing, speaking, listening, viewing and representing skills. This class involves writing, engaging in inquiry and research, fostering media and digital literacies, promoting social justice, and developing out-of-school literacies. Students enrolling in the English 10-1 academic program are expected to possess sound reading and writing ability as well as a genuine interest in exploring literature and in the process of developing communication skills. Students enrolling in the English 10-2 applied program are expected to develop sound reading and writing ability as well as strengthen communication skills. Taking this course fulfills either the English 10-1 or 10-2 English requirement for graduation.

Prerequisite: Successful completion of English 9.

**ELA 30-1**

ELA 30-1 is the final course in the academic program, and is the required pre-requisite for most post-secondary institutions. Through the study of various texts, students are expected to extend their understanding and appreciation of how literature relates to human experience. Students will also develop the knowledge and skills necessary to be successful both on the diploma exam and in future educational pursuits. Please visit

www.learnalberta.ca/content/mychildlearning/highschool_ela.html for further information about this course.

Prerequisite: Successful completion of the previous level.

ELA 30-2

ELA 30-2 is the final course in the applied program. Through the study of various texts, ELA 30-2 integrates reading, writing, speaking, listening, viewing and representing skills. Students successfully completing this course will have completed the requirements of the English program in achieving a high school diploma. Successful students may want to attempt English 30-1. For further information about this course, see

www.learnalberta.ca/content/mychildlearning/highschool_ela.html.

Prerequisite: Successful completion of the previous level.



Social Studies

Social Studies 10-1, 10-2, 10-4

Students will explore multiple perspectives on the origins of globalization and the local, national and international impacts of globalization on lands, cultures, economies, human rights and quality of life. Students will examine the relationships among globalization, citizenship and identity to enhance skills for citizenship in a globalizing world. The infusion of multiple perspectives will allow students to examine the effects of globalization on peoples in Canada and throughout the world, including the impact on Aboriginal and Francophone communities.

Social Studies 20-1, 20-2, 20-4

Students will explore the complexities of nationalism in Canadian and international contexts. They will study the origins of nationalism and the influence of nationalism on regional, international and global relations. The infusion of multiple perspectives will allow students to develop understandings of nationalism and how nationalism contributes to the citizenship and identities of peoples in Canada.

Social Studies 30-1 and 30-2

Students will explore the origins and complexities of ideologies and examine multiple perspectives regarding the principles of classical and modern liberalism. An analysis of various political and economic systems will allow students to assess the viability of the principles of liberalism. Developing understandings of the roles and responsibilities associated with citizenship will encourage students to respond to emergent global issues.



Modern Languages

French, Spanish, and Italian courses are offered as part of a three-year program beginning in grade 10. The learning of another language develops awareness of, and sensitivity to, cultural and linguistic diversity. It is also a means of cultural enrichment and is the best means of fostering understanding and solidarity among peoples and countries. It gives individuals the opportunity to identify, question and challenge their own cultural assumptions, values, and perspectives and to contribute positively to society. Research has shown that learning another language contributes to the development of increased grammatical abilities in the student's first language and enhances cognitive functioning. Learning a second language increases the ability to conceptualize and to think abstractly; and it fosters more cognitive flexibility, greater divergent thinking, creativity and metalinguistic competence. Modern language students have the opportunity to participate in a government organized exchange program to Quebec, Spain, Mexico, or Italy. French, Spanish and Italian do not require a diploma exam in grade 12, and if taken to the 30 level, can be counted towards the academic entrance requirement for university.

*all language courses can be challenged with an exam by native speakers



French

French 10-3Y (supplementary fee \$20)

The French 10-3year course is a beginner French course that will address all aspects of the French 10-3Y curriculum: Language experiences in context, language skills/functions for communicative purposes, and linguistic intercultural/cultural repertoire needed for communicative purposes. Using the themes in the assigned textbook and accompanying workbook as a basis, students can expect the daily classes to be divided into listening and speaking activities, reading and writing activities and activities related to understanding the cultural aspects French.

French 20-3Y (supplementary fee \$20)

The French 20-3year course will address all aspects of the French 20-3Y curriculum: Language experiences in context, language skills/functions for communicative purposes, and linguistic intercultural/cultural repertoire needed for communicative purposes. Using the themes in the assigned workbook as a basis, students can expect the daily classes to be divided into listening and speaking activities, reading and writing activities and activities related to understanding the cultural aspects French. **Students taking French 20-3Y are required to have French 10-3Y.**

French 30-3Y (supplementary fee \$20)

The French 30-3year course will address all aspects of the French 30-3Y curriculum: Language experiences in context, language skills/functions for communicative purposes, and linguistic intercultural/cultural repertoire needed for communicative purposes. Using the themes in the assigned workbook basis, students can expect the daily classes to be divided into listening and speaking activities, reading and writing activities and activities related to understanding the cultural aspects French. **Students taking French 30-3Y are required to have French 20-3Y.**



Spanish

Spanish Language and Culture 10 (supplementary fee \$20)

Spanish 10 is the first course in the three year language and culture program. It is an introductory course to learn basic concepts of communication in the Spanish language and cultural awareness of Spanish speaking countries and peoples. Students will be exposed to the Spanish language in four formats: reading, writing, speaking and listening. Students can expect to learn vocabulary to discuss situations in daily life as well as the grammatical building blocks of the structure of language. Students that attend class regularly and participate in classroom activities can expect to be very successful in Spanish 10.

Prerequisite: None

Spanish Language and Culture 20 (supplementary fee \$20)

Spanish 20 is the second course in the three year language and culture program. It is an intermediate course to grow and build on the language basics and cultural components from Spanish 10. Students can expect to greatly expand their vocabulary as well as learning how to communicate in different tenses. Students that attend class regularly and participate in classroom activities can expect to be successful in Spanish 20.

Prerequisite: Spanish 10 (or equivalent exam challenge)

Spanish Language and Culture 30 (supplementary fee \$20)

Spanish 30 is the final course in the three year language and culture program. *It does not require a diploma exam and can be counted towards the academic requirements to university.* Students that take Spanish 30 can expect to expand their communication and understanding to include higher level language structures to create more complex thoughts and sentences. Multiple verb tenses will be explored and practiced to add a great deal more depth to the way in which students are able to express themselves in both spoken and written word.

Prerequisite: Spanish 20 (or equivalent exam challenge)



Italian

Italian Language and Culture 20 (supplementary fee \$20)

Italian 20 is the second course in the three-year language and culture program. It is an intermediate course to grow and build on the language basics and cultural components from Italian 10. Students can expect to greatly expand their vocabulary as well as learning how to communicate in different tenses. Students that attend class regularly and participate in classroom activities can expect to be successful in Italian 20. Prerequisite: Italian 10 (or equivalent exam challenge)

Psychology

The objectives of the 3-credit courses in psychology are designed to develop within the student the skills and understandings that make it possible for more effective living in our complex environment. The student's attention will focus on the scientific approach to understanding human behaviour so that he or she may appreciate more fully the reasons that underlie one's own acts and those of one's fellows.

Personal Psychology 20/Abnormal Psychology 35 is split into Personal Psychology 20 (3 credits) and Abnormal Psychology 35 (3 credits). Abnormal Psychology provides students with an overview of abnormal behaviour and conditions that affect individuals in our society. Personal Psychology 20 is a pre-requisite course which must be successfully completed before taking Abnormal Psychology 35. Abnormal Psychology 35 CAN be used as a part of the requirement for 10 credits at the 30 level (in addition to English and Social). **Psychology 20/30 CANNOT be used as part of the 10 credits in CTS/Fine Arts/Second Languages requirement.**

Experimental Psychology/Applied Sociology at the 30 level is split into Experimental Psych for (3 credits) and Abnormal Psychology 30 for another (3 credits). The split in these two disciplines takes place at the mid-term point within the semester. **This course CAN be used as a part of the requirement for 10 credits at the 30 level (in addition to English and Social). Psychology 20/30 CANNOT be used as part of the 10 credits in CTS/Fine Arts/Second Languages requirement.**

***** Note, there is no pre-requisite for Psychology or Sociology at the 30 level but students who have taken the 20 level classes are better prepared for a 30 level course. *****



Financial Management

Financial Management 10, 20, 30

Financial Management is a series of 10, 20, and 30-level CTS courses focused on personal financial information, personal taxation, investment planning, and accounting. Students will work directly with a variety of apps and software to learn the basics of budgeting, how to use SimpleTax/Wealthsimple Tax, Robo-Advisors, and more! A six-week investment challenge is also organized for students to explore their interests in various index funds and ETFs. The course is broken down into modules, which will be completed in order. Each module is worth one credit, and it is expected that 5-6 of these modules will be completed in a semester. A series of mandatory modules must be completed in a student's first semester:

Financial Management (1st semester):

FIN 1010 - Personal Financial Info

FIN 2060 - Personal Taxation

FIN 3080 - Personal Investment Planning

FIN 1015 - Accounting Prep

FIN 1020 - Accounting Cycle 1

Students who choose to pursue Financial Management for a 2nd or 3rd semester will have the opportunity to choose from a variety of intermediate/advanced accounting modules, or develop personal learning projects in the Financial Management area of their choice.

Computer Programing

Coding is fun. In computer science, students go from learning the basics of algorithms to a specialization in one of many different areas. Some students want to earn big dollars doing big data, while others want to develop games, and still others want to do web development. Regardless of where your passion lies, you can build a strong foundation in Computer Science. Whether you want to learn C#, JavaScript, Python, or even multiple languages, the choice and self-direction will give you the freedom to pursue whatever you're most excited to learn.



Digital Media

Digital Media 10/20/30 (supplementary fee \$20)

Digital Media is a series of 10, 20, and 30-level CTS courses focused in a variety of areas of study; Graphic Design, Photography, 2D and 3D Animation, Web Development, Audio Production, Video Production, Digital Art, UI/UX Design, and more! Due to the module-based structure of the class, Digital Media offers ample opportunity for senior students to design, create, and execute their own project ideas.

Digital Media is a largely project-based course rooted in design theory and project development. Students are required to complete two mandatory modules (Visual Composition & Graphics Tools) before choosing their own project work - it is expected students complete a minimum of 5 modules per semester.

Mandatory modules:

Visual Composition (COM1005) - Students will learn to employ fundamental elements and principles of design and gain a strong foundational multidisciplinary experience in preparation for upcoming modules.

Graphics Tools (COM1035) - Students are introduced to the basics of computer graphics (vector and raster), and the foundational skills for Adobe Photoshop and Adobe Illustrator.

Digital Media students will have access to the entire Adobe suite while on campus at Chinook High School, this is made possible through a \$15 school fee for the semester-long course.

(Note: 5 30-level credits in Digital Media are approved as a 5th course requirement at the University of Lethbridge)



Construction Technology

Construction Technology 10 (supplementary fee \$45)

This is an introductory construction class designed to implement identification of tools, materials, and basic safety procedures used in the construction industry. Some important items covered which are essential in this trade are measurements, proper cutting methods, safe environments and pre-requisites for intermediate and advanced construction modules.

INTRODUCTORY MODULES INCLUDE:

Con 1010

- Construction Tools & Materials – Prerequisites for all construction modules
- Text book - Modern Carpentry: Units 1–5
- Safety Test

Con 1070

- Building Construction (Group Project) – Prerequisite for all construction modules.
- 16 x 20 Model Garage (Scale 1:12)
- Power Point Presentation

Con 1120

- Project Management – Prerequisites for all Cabinetry modules.
- Student initiated plan of a project
- Build Project – i.e. Long Board

Con 1130

- Solid Stock Materials
- Used to construct student initiated project
- Oak/maple/walnut etc.

Con 1160

- Manufactured Materials
- Used to construct student initiated project
- Plywood, particle board etc.

Con 1140

- Turning Operations (Optional)
- Wood Lathe
- Mallets/Table legs etc.

Con 1180

- Mold Making & Casting
- Part of Model Garage Group Project
- Garage Foundation



Construction Technology

Construction Technology 20 (supplementary fee \$45)

This construction class is designed to use skills acquired in construction 10 to practice and enhance abilities using hands on practices as well on task instruction to build projects (instructor initiated and/or student initiated) that further student enhancement in construction techniques. The intermediate level is a combination of Cabinetry/Furniture modules as well as carpentry modules which are dependent on the projects chosen. Some important items covered which are essential in this trade are measurements, proper cutting methods, safe environments.

INTERMEDIATE MODULES INCLUDE:

Con 2020 – Concrete Forming

Con 2035 – Floor Framing Systems

Con 2045 – Wall Framing Systems

Con 2050 – Roof Structures 1 (Framing and Finishing)

Con 2060 – Exterior Finishing (Door, Window, Siding)

Con 2120 – Multiple Materials

Con 2130 – Furniture Making 1 (Box Construction)

Con 2140 – Furniture Making 2 (Frame & Panel)

Con 2150 – Finishing & Refinishing

Con 2160 – Cabinetry 1 (Web & Face Frame)

Con 2170 – Cabinetry 2 (Door & Drawer)

Con 2180 – Wood Forming

Construction Technology 30 (supplementary fee \$45)

This construction class is designed to use skills acquired in construction 10 & 20 to practice and enhance abilities using hands on practices as well as on task instruction to build projects (student initiated) that further student enhancement in construction techniques. The advanced level is a combination of Cabinetry/Furniture modules as well as carpentry modules which are dependent on the project chosen. Students are expected to work independently or in groups to solve problems in the projects they are constructing.

ADVANCED MODULES INCLUDE:

Con 3040 – Stair Construction

Con 3050 – Roof Structures 2 (Framing & Covering)

Con 3060 – Doors & Trim

Con 3070 – Floor Covering

Con 3130 – Furniture Making 3 (Leg & Rail)

Con 3140 – Furniture Making 4 – (Surface Enhancement)

Con 3160 – Cabinetry 3 (Cabinets/Countertops)

Con 3170 – Cabinetry 4 (Layout & Installation)

Con 3210 – Framing Systems 2 (Floor, Wall & Ceiling)



Fashion Studies

Fashion Studies 10/20/30 (supplementary fee \$35)

Fashion Studies is not just about sewing, it is about creativity, design, inspiration, and the pure fun of making things. When you register in Fashion Studies you will be introduced to the many different elements of fashion, including sewing, design, pop culture, illustration, upcycling, quilting, outerwear, active wear, costume making/cosplay, digital vinyl cutting, knitting/crochet, beading, embroidery and other textiles arts, just to mention a few of the 52 modules available!

You can earn as many credits as you want by working on your choice of projects and interests. Skills learned in Fashion Studies cross over to many other disciplines so it's a great way to learn new skills while having fun and doing something different. There is also opportunity to create new and exciting projects with other CTS areas (think Digital Media, Esthetics, Sports Performance, Food Studies etc.) Here are some examples of the courses/module available:

- Sewing and Production – Sewing Fundamentals and Garment Construction, Speciality Fabrics, Active wear, Knitwear, Outdoor Clothing, Tailoring, Creating Home Décor, Pattern Drafting, Flat Pattern, Pattern Couture
- Design and Illustration – Fashion Illustration (3 credits available), Couture, Draping, Creators of Fashion
- Fashion Promotion, and the "Why," of Fashion– Merchandising, Retailing, Fashion Dynamics
- Costume and History - Creative Costuming, Theatrical Costuming, Evolution of Fashion, Cultural Fashions, Fashion History
- Textile Arts – Fashion Dynamics, Digital Embroidery, Surface Embellishment, Wearable Art, Textile Arts
- FAS Projects - these are open projects that may crossover into other CTS areas. Some examples include Fashion Film Projects, Fashion Zines, History of Makeup, Fashion and Cooking Trends, Clothing Research for Sports Performance, Digital Fashion.

Discover what Fashion Studies can do for you. It is a program "tailor made," just for you – lots of freedom and choice in projects! Join in at any level – the possibilities are endless!

Fashion Media Technology

Like Fashion? Art? Digital Media? Learn digital technology through the Fashion industry! Create professional looking digital illustrations, collages, trend boards, technical drawings, textile designs, and more. These skills are not only useful for fashion, but for many fields, including communications, art, engineering, new media, interior design, business, education and more! Instruction for beginner, intermediate and advanced levels, so EVERYONE is welcome!



Foods

The Health, Recreation & Human Services (HRH) cluster focuses on a vast array of challenging and rewarding careers in health care, community supports, recreation, cosmetology, food services, tourism and law.

Food Studies 10, 20, 30 (supplementary fee \$45)

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, Contemporary Baking, Meal Planning I, Fast & Convenience Foods, Snacks & Appetizers and Canadian Heritage Foods.

Legal Studies

Legal Studies 10/20/30

Legal Studies 10/20/30 allows students to explore modules that focus on public law (the legal relationship between the government and the citizen) and private law (the legal relationships between individuals). Students will become familiar with the influence, impact and complexities of these laws in their daily lives. The goal is for students to complete 3 modules at the 20 level and 3 at the 30 level.

Prerequisite: none



Robotics 15/25/35

Are you interested in STEM? Do you have great ideas like Adam Savage from Mythbusters and want to know how to bring them to life? In your first year, you'll learn to design, wire and build a robot car. In subsequent years, you can explore programmable drones, or become an expert in one of several fields, including movement, controls, sensors, or even Artificial Intelligence!

Disability Studies 30

Students with disabilities will learn alongside non-disabled students, exploring the social context and lived experiences of people with disabilities. Themes will include understanding disability, disability in the community, disability in popular culture, and disability rights and leadership. A focus on first-person narratives will develop student understanding and agency. Students will receive CTS credits for this course. This elective course is available to students in grades 11 and 12 and can only be taken once.

Leadership 15/25/35

This 5 credit course will help students explore the basic principles of leadership and evaluate their own personal leadership characteristics and qualities. In Leadership, you will learn practical skills in teamwork, decision-making, reflection, organization, communication and serving others.

Yoga 15/25/35

Yoga 15/25/35 is a course which will allow students to experience the postures (asana), breathing techniques and relaxation techniques of a yoga practice. It will help students to understand and support their own unique needs, limitation and growth within their own bodies. They will acquire an understanding of anatomy and physiology as it pertains to their practice, and explore the historical roots of yoga as an art, science and philosophy. This course is designed for all levels, beginner to advanced, and will build and encourage a well- rounded yoga experience.

High School Outdoor Education

Outdoor Education 15

This course will help anyone wanting to learn more about the outdoors be able to plan trips, pack a backpack, do basic first aid, use a compass, read maps and set up camp. It involves a weekend navigation course and a 3 day trip in the mountains. Beginners welcome.

Outdoor Education 25

Outdoor Education 25, or Outdoor Leadership, builds on the skills learned in Outdoor Education 15 and allows students to gain credits in a number of areas, specifically in planning, leading and teaching. Students will gain additional CTS credits related to First Aid, Outdoor Leadership, and Guiding by taking a leadership role in the class. This course will culminate with the 2nd year Outdoor Leadership students having an active role in planning and carrying out the final backpacking trip to the mountains.



Drama

Drama 10/20/30

These action packed courses explore the wonderful world of creative drama and theatre. From improvisation games to scripted work, we will play at the art of making a play. Drama helps students develop creative ways to think outside the box and discover their confidence. Students voice their thoughts and ideas through a range of medium which encourages the creative soul. If you are shy, this is the class for you. If you are outgoing, this is the class for you. If you like to have fun and get to know others, this is definitely the class for you. Drama 30 is accepted as a university entrance course.

Advanced Acting/Touring Theatre 15/25/35

This class nurtures the students who loves to perform. Advanced Acting/Touring Theatre is a project based class that focuses on Performing Arts. Students are involved in school productions and learn about the rigors of rehearsals, performance and working with a cast. Analysing script and developing character are the cornerstones for Advanced Acting. Students will perform for both school and community audiences to develop the craft of acting. **Students are asked to audition before being enrolled.**

Technical Theatre 15/25/35 (supplementary fee \$25)

The backstage demands of lights, sound, costumes and set are the focus of this class. Students will learn by experiencing the responsibilities of the technical side of the theatre. Working in an outstanding facility and with school staff and community professionals, technical theatre students learn by doing. At the higher level, students are introduced to the design components of theatre productions.

Directing 25/35

Chinook is one of few schools in the province that offers a specialized, robust directing program! Directing 25-35 is a course series developed to meet the unique needs of students in an advanced fine arts program. It provides opportunities for students to explore the role of the theatre director as the creative leader of a theatrical production from the inception of an idea, through the development process of rehearsal, to the culminating performance. This course series also provides opportunities for students to build skills, confidence and leadership as they work collaboratively with others to interpret, design and facilitate a theatrical production.

Dance

Dance 15

This is a non-performance dance class for anyone who wants to learn or to continue their study of dance. The focus will be split between various forms of dance including: Jazz, Contemporary, Hip Hop, Tap, West African and Musical Theatre. Dance history and basic anatomy will help to deepen and broaden our appreciation for dance as an art form. In this class, dance will be a vehicle to build confidence, creativity, strength and flexibility.

Dance 25

This is a non-performance dance class for those who want to continue their study of dance from Dance 15. This class will build on the technique and experienced gained in the previous year. More emphasis will be placed on the process of creativity during the study of various dance forms which will lead to an in-class presentation of student work. The styles studied can include: Hip Hop, Contemporary, Jazz, Musical Theatre, West African and Tap. Dance history and anatomy will continue to be a foundation for the work we do in this course. Students must have Dance 15 or teacher approval to participate.

Dance 35

This is a non-performance dance class for those who want to continue their study of dance from Dance 25. It is an intermediate-advanced class, which will study various dance styles including: Jazz, Hip Hop, Contemporary, West African, Musical Theatre and Tap. The study of the creative process, built in Dance 25, will be deepened during the course of the semester which will lead to an informal presentation of student works. Students will continue to study dance history and anatomy as it pertains to the course. Students must have Dance 25 or teacher approval to participate in class.

Dance Performance 15

Dance Performance 15 is for the dancer looking to work at a higher level and to focus on dance as a performing art. Students will study a variety of different forms of dance including: Hip Hop, Jazz, Contemporary, Tap, West African, and Musical Theatre. The focus will be on developing skills and strength in technique, choreography, composition, and stage presence/energy to support our work in the semi-annual performance. Dance history and anatomy will be a foundation for this course.



Dance Performance 25

Dance Performance 25 focuses on dance as a performing art and continues the work completed in Dance Performance 15. Students will study different forms of dance including: Hip Hop, Jazz, Contemporary, Tap, West African, and Musical Theatre which will lead towards our semi-annual performance. With a foundation in dance history and anatomy, this course will train dancers to have a strong work ethic, increased technique and choreographic ability, and an energetic stage presence.

Dance Performance 35

Dance performance 35 focuses on dance as a performing art and works to train dancers as they take their next step into the dance world. This course continues the work completed in Dance Performance 25 by offering various opportunities to showcase dance as art. Students deepen their knowledge of various dance styles including: Hip Hop, Jazz, Contemporary, Tap and West African so they can enter the dance world with confidence, a strong work ethic and a passion for movement. Class work will be shown in our semi-annual dance production as well as evening performances of student works. Any questions can be directed to alisha.hornberger@lethsd.ab.ca.

Music

Concert Choir (Choral Music 10/20/30)

This is a mixed voice choir that meets two times a week during the flex block. Students will work on basic choral technique and a variety of repertoire. No formal training is required, just a love of choral music and a willingness to contribute their voice to a collective sound. Students can receive up to 5 credits for participation in this class.

Women's Chorus

This is a female vocal ensemble that explores the range and sound of the female voice. The music will provide a fun challenge to the members of the group as they work on singing throughout their entire vocal register and in close three+ part harmony with other female voices. This class will be offered outside of the timetable for the 2022-2023 school year. This is a 5-credit course.



Mixed Chorus

This is a mixed voice choir that will sing a variety of music, from madrigals to jazz and everything in between. Students will be encouraged to learn a variety of genres and styles to broaden their technique and vocal sound. This class will be offered outside of the timetable for the 2022-2023 school year. This is a 5-credit course.

Instrumental Music (Band 10/20/30) (supplementary fee \$20)

The wind ensemble at Chinook meets at Flex twice a week all year for 5 credits. This senior level band is combined with the Grade 9 Band students to create Concert Band. While there is no prerequisite for High School Band, students are expected to be able to perform on their instrument at a Grade 3 (concert band level) minimum in order to meet with success in playing the repertoire in the class. If you are interested in joining this class, but are unsure of your musical level, feel free to speak with the instructor for guidance as to how to proceed. Jazz Band (5 credits – meets twice a week after school, all year) is populated by interested students from the concert band roster.

Musical Theatre Studies 15/25/35

The Musical Theatre course is designed for students with an interest in developing stage performance skills in the areas of singing, acting and dancing. This diverse and engaging program utilizes both individual and group performance work. Students are featured in a term end showcase as part of their final performance projects. Musical Theatre is offered in the regular timetable as a one semester, 5-credit course.



Guitar Orchestra 10/20/30 (supplementary fee \$20)

Guitar Orchestra is all about the art of classical guitar playing with students building off of what they previously learned. Students will learn solo classical, but will mostly focus on ensemble performance and techniques. Students will expand their knowledge on music reading, interpretation, and stage etiquette through music literature. Students will work on classic guitar songs, which

combine melody, bass and chords together. By the end of the course the students will be able to present a selection of guitar repertoire in a final concert.

Rock and Pop 10/20/30

This is a performance-based class where students play guitars, drums, bass guitars, piano, and sing. The purpose is to expand their love of music through group activities and rehearsals that build students skills and expand their appreciation for music. Skills are built not only through daily class work, but through public performances and festivals. Emphasis is placed on individual and group work with music development through instrumental music skills and theory. Students also learn how to write music in this class.

One of the main goals of this class is participating in group work. Students start a Rock Band and learn a set list of songs to perform. They perform their set at Chinook concerts, Chinook productions, and community performances. Student's self-image, confidence and level of responsibility will grow through the activities that take place. Another goal is that each student will continue to grow in their musical abilities through specializing on an instrument allowing them to take on greater musical challenges.

Students taking this class should be taking or have completed a 10-level instrumental or choral music class. Such as **Guitar 10, Band 10, or Choir 10**. If students do not have the Prerequisite, then they must audition for the class.

Jazz Band

The Chinook Jazz Band consists of, but is not limited to, saxophones, trumpets, trombones and a full rhythm section (drum set, bass, guitar and piano) like a traditional Big Band modeled on legendary acts like Count Basie or Duke Ellington. This group studies and performs a variety of literature from various periods of jazz performance, ranging from Swing to Bossa Nova, Funk to Fusion and anything else that will enrich the class. Traditionally, Big Band has a smaller number of performances than a concert band. Because of this, **students are asked to audition before being enrolled.**



Art

The **Art 10, 20** and **30** sequence of courses allows students to explore and develop their creative practice and technique. Students will work with a variety of mediums in two and three-dimensions and develop their knowledge and use of the elements of art and principles of design. Students will create and explore art through drawing, painting, print making, sculpture, public art, social sculpture, design and mixed media.

As students progress through the courses they will develop personal style, explore conceptual ideas and refine their artistic techniques. Students will develop their own unique creative process and learn to effectively engage in critique. Each course provides connections to historic and contemporary art and encourages students to become engaged in the local art community as well as research and discuss art on a global scale. Collaboration with other classes and the presentation of art work in the school community is also part of the art program.

Everyone has the potential to engage in creative practice and every student, no matter what kind of previous experience they have, is encouraged to try an art class at Chinook.

Art 10 (supplementary fee \$30)

Art 10 is open to any students with an interest in art or creative practice. Each unit begins with a variety of exercises to learn techniques, followed by a final project. Students are encouraged to explore the mediums, develop their own creative process, and create unique works of art. Critique and the development of conceptual ideas is also an important part of the Art 10 program.

Art 20 (supplementary fee \$30)

Art 20 focuses on refining artistic techniques as well as developing a creative voice. Students work through a series of units exploring conceptual ideas and communicating meaning in their art work. Art 20 makes connections to art in real life including public installations, collaborative projects and personal identity. Oil paint, drawing, sculpture, mixed media and social sculpture are some of the mediums used. Artistic process and critique are refined and evaluated for each studio project created in Art 20. **Prerequisite:** Art 10

Art 30 (supplementary fee \$30)

Art 30 pushes students to develop their own artistic style, conceptual themes and refined technique. Students work through a series of drawings and studio projects over the course of the term. Each studio project includes a carefully documented process as well as critique. Students are evaluated on their planning and artistic process, final product and critique. The course begins with set parameters for projects and becomes more self-directed as the term progresses.

Prerequisite: Art 20



Portfolio Art 35

Portfolio Art 35 is an extension of the high school art program for students who are passionate about art and want to pursue their art practice beyond Art 30. The format is the same as Art 30, however; studio projects and drawings are more self-directed. The goal of this course is for students to develop a unique personal style and to build a successful portfolio of artwork.

Prerequisite: Art 30 (In most cases, 80% or higher is recommend in Art 30 before taking Art 35)

Photography 10/20/30 (supplementary fee \$10)

Photography 10/20/30 is a semester-long option course at Chinook High School heavily focused on the 'science' of photography and what makes a 'good' photo. Students will focus on fostering a strong foundation in the elements of photography composition. As well, students will learn the importance of photography as a means of communication, and how a series of photos, editing styles, or even online content layout can create long-lasting and impactful messages in our world.

This course is made up of 5 different unit themes (subject to change; the first three units align with the mandatory modules students must complete for the course in their 1st semester taking Photography):

1. Visual Composition of a Photo
2. Media Impact on Society and Project Planning
3. Photography Foundations
4. Exposure, Shutter Speed, and Aperture

Adobe Lightroom Foundations

On top of the module assignments and projects that will be completed in relation to the themes above, students will create the following semester-long personal projects:

1. Tech Journal (Portfolio Website)

Submission pieces for end-of-semester Photography 10/20/30 Showcase

This course is open to all Grade 10, 11, and 12 students at Chinook High School regardless of previous experience.

(Note: 5 30-level credits in Photography are approved as a 5th course requirement at the University of Lethbridge)



Physical Education & CALM

PE 10

Physical Education 10 is a compulsory course at Chinook High School and is offered in combination with CALM 20 (3 credits each). The aim of the Physical Education Program is to enable individuals to develop knowledge, skills and attitudes necessary to lead an active, healthy lifestyle. Students will have the opportunity to participate in a number of different activities including a variety of team sports as well as some individual pursuits.

Lifestyle / Alternative PE 10

Lifestyle or Alternative PE 10 will focus on providing students with the knowledge and skills to engage in a healthy lifestyle. There will be less emphasis on team sports and more of a focus on individual lifelong pursuits.

Career and Life Management (CALM)

The aim of senior high school Career and Life Management (CALM) is to enable students to make well-informed, considered decisions and choices in all aspects of their lives and to develop behaviours and attitudes that contribute to the well-being and respect of self and others, now and in the future. CALM is the core course for health literacy at the senior high school level in Alberta.

PE 20/30 (supplementary fee \$80)

Physical Education 20 & 30 are optional courses at Chinook High School. The aim of the Physical Education Program is to enable individuals to develop knowledge, skills, and attitudes necessary to lead an active and healthy lifestyle. PE at the 20/30 level is structured much more around lifelong pursuits and provides students the opportunity to experience a wide variety of activities including, golf, rock climbing, horseshoes, swimming, bowling, archery, disc golf, squash, fitness classes, broomball, curling, and many more. Classes will take place off-campus twice per week.



Sports Performance

Sports Performance 10/20/30 (supplementary fee \$25)

The Sports Performance program enables students to explore the world of training and athletics from a variety of perspectives including anatomy, physiology, sports psychology, and nutrition. In the program students will use physical training to develop traits of injury resistance, strength, speed, endurance and explosive power. In an effort to tailor classes to students with similar training interests and preferences, we will be surveying students who choose this course about their preferences and interests. We will then use this information and request numbers to create groups and or sections based on this.

Ice Training Sports Performance

This course is open to all skill levels. Predominantly a skill building course that incorporates hockey drills and game like conditions to facilitate skill development in the game of ice hockey . Some classroom instruction but most of the course is spent on the ice at the ATB center. Goalies are encouraged to enroll as they receive instruction as well as a great deal of on ice practice. All players are required to have full equipment for safety reasons. Class can be taken a maximum of twice for students in grades 10-12 with advanced activities in the second year.

Dual-Credit Courses

Lethbridge School District No. 51, University of Lethbridge and Chinook High School are working together to develop High School Dual Credit opportunities for the 2019/20 school year and in the future. Collaboration and partnership in our communities and with our post-secondary institutions is a vital part of providing opportunities and choice for our high school students.

What is Dual Credit?

Offering the Dual Credit Program compliments the Lethbridge School District No. 51, Board of Education Priorities: enhancing Achievement, Inclusion and Innovation. Allowing our high school students to explore and experience university and college programming through Dual Credit programming is exciting and inspiring. It creates a vision of "what can happen after high school".

Each dual credit program presents different opportunities and experiences. "Dual Credit" allows for students enrolled in these programs to receive High School credits toward graduation, and credit in College or University programs.

Advantages

Ultimately, this initiative seeks to increase exciting learning opportunities and choice for high school students in Lethbridge School District High Schools. Further, the "Dual Credit experience" will assist high school students in building a deeper understanding of the College or University experience.

Problems & Puzzles – Liberal Education 2200

This dual-credit course will focus on the development of problem solving skills, through word and number puzzles, games, and logic problems. Studying problems solving in these ways, will increase a student's ability to understand and solve problems in everyday life! We will look at problem solving from the point of view of a variety of disciplines including history, anthropology, and psychology. The target for this class is not just math or science minded students, but every learner can benefit from taking part. The class will alternate between lectures on problem solving tools and approaches, and actually working on the problems. This dual-credit course offers students the opportunity to receive both High School credit and credit for a University of Lethbridge.

Self-directed Dual Credit Courses

Throughout the year information will be sent out regarding additional self-directed dual credit opportunities, and information sessions for students and parents will be scheduled.



Knowledge and Employability Program (K & E)

This program is a hands on, skill based program designed to help students find employment. There is a work experience component, a curriculum based on practical experience and a certificate of completion which assists student in the world of work.

Students continuing from the K&E grade 9 program may continue to qualify for this program.

The Knowledge and Employability courses are designed to assist students in developing the essential concepts, skills, and attitudes of Mathematics, Social Studies, Science and English that are required for responsible participation in the home, school, workplace, and community.

The Knowledge and Employability (K&E) program requires qualification; please contact an administrator for more details.

Knowledge & Employability courses include:

- **Science 10-4, and 20-4**
- **Math 10-4, and 20-4**
- **Social 10-4, and 20-4**
- **English 10-4, and 20-4**



CHINOOK HIGH SCHOOL



Required Credit Courses in High School

Grade 10	Grade 11	Grade 12	Minimum Credits
English 10-1 or English 10-2	English 20-1 or English 20-2	English 30-1 or English 30-2	15
Social 10-1 or Social 10-2	Social 20 or Social 20-2	Social 30 or Social 30-2	15
Math 10C or Math 10-3	Math 20-1 or Math 20-2 or Math 20-3		10
Science 10 or Science 14	Science 20 or Science 24 or Biology 20 or Chemistry 20 or Physics 20		10
Physical Education 10			3
CALM 20			3
10 credits in Career and Technology Studies (CTS), or Fine Arts or Second Languages, Locally Authorized Courses, or Physical Education 20 and/or Physical Education 30 (Psych 30 and Sociology 30 do not count in this category)			10
10 credits in any 30 level courses other than English and Social Studies, (Students may use Work Experience 35			10
The final 24 credits required can be from any combination of 10, 20 or 30 level courses not already accounted for.			<u>76</u>
Total Credits Required for a Diploma = 100			

