

# CHINOOK HIGH SCHOOL



## Course Descriptions Grade 10-12 (2025-2026)



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## 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. Weekly labs will involve students conducting investigations into relationships among observable variables, using a variety of tools to gather and record information in order to analyze data and apply mathematical models.

**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](http://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](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**

Explore the world of sports through high-interest texts while building reading, writing, viewing, and representing skills. This course encourages critical thinking about sports culture and its impact on society. This has historically been a blended English Language Arts course that combines ELA 10-1 and 10-2 course sequences in the same classroom, with a focus on 10-1 outcomes. As students meet the outcomes for their specific course sequence, they will earn credits for that course.

- English 10-1 is for students with strong reading and writing abilities who are eager to analyze literature and develop critical analysis skills.

- English 10-2 focuses on developing solid reading, writing, and communication skills.

Students will engage in writing, research, media analysis, and discussions on social justice topics. Completion of this course fulfills the ELA 10-1 or 10-2 graduation requirement.

**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](http://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](http://www.learnalberta.ca/content/mychildlearning/highschool_ela.html).

**Prerequisite:** Successful completion of the previous level.

### **ELA 30-2/30-1 Combined**

This course is designed for students planning to enrol in ELA 30-2 and intend to write the ELA 30-1 Diploma Exam in June.

The first eight weeks of Semester 1, students will complete the ELA 30-2 curriculum, focusing on developing reading, writing, and analytical skills. They will write the 30-2 Diploma Exam at the end of October or early November. The remaining weeks will shift to the ELA 30-1 curriculum, emphasizing critical analytical writing. Students will explore complex texts and prepare for the 30-1 Diploma Exam in June. This course offers additional support and time to build confidence while transitioning from ELA 30-2 to ELA 30-1.

## **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 and Spanish, 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, or Mexico. French does not require a diploma exam in grade 12 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 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.** It does not require a diploma exam and can be counted towards the academic requirements to University.



## 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)

## Blackfoot

### **Blackfoot 10/20/30**

This course will explore three phases of Blackfoot. The relationship to nature from an ecological perspective explained from a Blackfoot point of view. The syllabic chart to explain and help students identify how to combine sound systems and pronunciations. Third an activity-based learning approach to understand the concept of cooperation and empathy.



## 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. \*\*\***

## Philosophy

Philosophy is the study of *big questions* about our identity and the universe in general - questions like "Do we have free will?", "Why does suffering exist?", "Is morality relative, or absolute?", "How do you define 'good' or 'evil'?", "What makes 'us' who we are?", "Is there a higher power, and how can we tell?", "Can something be created from nothing?", to name just a few. We'll be examining these types of *big questions* and learning to take and defend a position on them using *argumentation* and *logic*. The course is worth 6 credits upon successful completion - three 20-level, and three 30-level.



## 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.

### **Open Design and Entrepreneurship**

Open Design and Entrepreneurship is a class that spans across the CTS clusters to explore the many creative industries and small businesses in today's economy. Students will start with one common module then will get to choose their area of study. These areas may include, but are not limited to, aesthetics or cosmetology, interior design or architecture, horticulture, soft or hard product design (shoes! skateboards! backpacks! jewellery! hats!), costume or cosplay, t-shirt graphics and branding, as well as marketing and entrepreneurship. Great for students that are full of ideas and would like to explore the many opportunities in business and industries that require creative thinking.

## Computer Programming

### **Computer Programming 10 (supplementary fee \$20)**

Students will learn the fundamentals of programming, including algorithms and functions, focusing mostly on JavaScript, but branching into other programming languages as their skills develop. Students will end the semester by creating a project of their own design.



### **Computer Programming 20 (supplementary fee \$20)**

At the 20 level, students will expand their knowledge of programming as they explore data structures, procedural and object-oriented programming using JavaScript, while specializing their skills or expanding their knowledge of a 2<sup>nd</sup> programming language. Students must have completed at a minimum CSE 1110: Structured Programming I and CSE 1120: Structured Programming II. Students who have not completed these modules should register for Computer Programming 10. They can complete the modules and move ahead to 2000 level modules. This will allow them to take Computer Programming 30 the following semester or year. Students can take Computer Programming courses more than once in a year to complete more modules as desired.

### **Computer Programming 30 (supplementary fee \$20)**

At the 30 level, students will develop their own projects that combine prior knowledge with new material to prepare themselves for possible future career opportunities in information security, game design, data science, AI, or any of a number of other fields. Prior modules completed may vary, but students will not be admitted without **at a minimum** CSE 1110: Structured Programming I and CSE 1120: Structured Programming II, as well as 2 modules at the 2000-level. Students can take Computer Programming courses more than once in a year to complete more modules as desired.

## **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 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 its 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!

## 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**

## 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 (supplementary fee \$10)**

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.

## **Athletic Therapy and Taping**

Students will learn about the various topics associated with athletic therapy including anatomy, nutrition and athletic injury treatment and management. Students will be introduced to common treatments and injury management techniques. This will include an introduction to muscle and anatomy, athletic injury management, including basic ankle, wrist, hand and elbow taping and nutrition for activity and sport. The course will blend both theory and practical skills.

Modules: This is meant to be run as a 5-credit course not a module-based course, modules completed will not be optional and will be as follows, although credits will be assessed individually.

- HSS 1010—Health Services Foundations (If students have this course from sports performance then they will complete HCS 1080—Cardiovascular system in the first 2 weeks of the course).
- HCS 1050 Musculoskeletal System (Pre req HSS1010)
- REC 1020—Injury Management I (Pre req HCS 1050)
- REC 1030—Technical Foundations for Injury Management (No pre req)
- REC 2010—Nutrition for recreational activities and sport (No pre req)

Athletic Injury and Management—Sport Medicine Council of Alberta—These courses are eligible for certification from the SMCA (sports medicine council of Alberta).



## 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.

### **Beginner Dance Performance 15/25/35 (Supplementary fee \$20)**

Prerequisites:     Dance Performance 15—No Prerequisites  
                           Dance Performance 25—Dance Performance 15  
                           Dance Performance 35—Dance Performance 25

This course is for those who have a deep interest in dance performance but have little training in the dance world. The work we do will build skills for the beginning dancer to be a confident performer. Students will have the opportunity to build confidence, technical ability and stage presence through choreography and performance. They will study various forms of dance including: Hip Hop, Contemporary, Jazz, Tap, West African and Musical Theatre. Our dancers will have the opportunity to work with choreographers from the community and Alberta to hone their skills in preparation for our performance at the end of the semester. Please contact Alisha Hornberger at [Alisha.hornberger@lethsd.ab.ca](mailto:Alisha.hornberger@lethsd.ab.ca) for more information.

**Int/Adv Dance Performance 15/25/35 (Supplementary fee \$20)**

Prerequisites: Int/Adv Dance Performance 15—No Prerequisites  
Int/Adv Dance Performance 25—Dance Performance 15  
Int/Adv Dance Performance 35—Dance Performance 25

This course is for those who have dance training outside of the program (previous school or studio experience) and have a deep interest in performance. The work we do is geared towards those who are focused and determined dancers. Students will have the opportunity to build confidence, technical ability and stage presence through choreography and performance. They will study various forms of dance including: Hip Hop, Contemporary, Jazz, Tap, West African and Musical Theatre. Our dancers will have the opportunity to work with choreographers from the community and Alberta to hone their skills in preparation for our performance at the end of the semester. Please contact Alisha Hornberger at [Alisha.hornberger@lethsd.ab.ca](mailto:Alisha.hornberger@lethsd.ab.ca) for more information.

## 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 twice a week during Flex time throughout the year, earning 5 credits. This senior-level band rehearses during Flex and also holds an additional practice once a month after school. While there is no formal prerequisite for High School Band, students should be able to perform at a minimum Grade 3 (concert band level) on their instrument to succeed with the class repertoire. In this class, students will focus on scales, chords, tuning techniques, and enjoy playing a variety of pieces from the Concert Band repertoire. If you are interested but unsure of your skill level, please speak with the instructor for guidance on how to proceed. For students eager to expand their band experience, we also offer an after-school Jazz Band, providing additional opportunities to develop your skills and earn high school credits.

### **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 (supplementary fee \$20)**

The Guitar Orchestra course is designed for students who are new to playing guitar or have completed Guitar 9 and wish to further develop their skills. No prior guitar experience is necessary, though some background in guitar will be beneficial. This course covers both classical guitar techniques and more contemporary styles, such as rock and blues. In class, students will explore classical guitar in ensemble settings, but the primary focus will be on learning and performing rock and blues songs. Students will work in small groups to master these pieces, performing for the class or at public events. The course will also emphasize music reading, interpretation, and stage etiquette, helping students apply these skills to a wide range of musical literature. By the end of the course, students will showcase their progress in a final concert, demonstrating their abilities through a curated selection of guitar pieces.

### **Guitar 20/30 (Advanced)**

This advanced class is intended for students with significant guitar experience. In this course, students will learn to read guitar sheet music, master a wide range of chords and scales, and tackle complex classical guitar pieces either as soloists or in an ensemble. This course is a continuation of the intermediate class, which is a prerequisite, but students with sufficient experience may bypass the beginner/intermediate level. Focus will be placed on performing classical guitar pieces in a group setting, and students will have opportunities to participate in competitions, school performances, and events within the Lethbridge community. By the end of the course, students will be proficient in reading music, playing guitar solos, performing in jazz ensembles, rock bands, and even as part of a guitar orchestra.





### **Rock and Pop 15/25/35 (supplementary fee \$40)**

This is a performance-based course where students will have the opportunity to play guitar, drums, bass guitar, piano, and sing. It is designed for students who already have substantial musical experience and can self-direct their learning to meet the demands of performing in a band. An application process is required, and students must have completed a Grade 10-level large ensemble course as a prerequisite. Accepted courses include Band 10, Guitar 10, or Choral 10.

In this class, students will develop their skills not only through daily class activities but also through rock band rehearsals, public performances, and festivals. Emphasis is placed on both individual and group work, with a focus on advancing instrumental skills and music theory. Students will also learn how to compose and write music.

A key aspect of the course is collaboration. Students will form a rock band, learn a setlist of songs, and perform at Chinook Concerts, Chinook Productions, and community events. Through these experiences, students will grow in their self-confidence, self-image, and sense of responsibility.

- Fall Semester: The focus will be on regularly scheduled performances and a large-scale production.
- Spring Semester: The emphasis shifts to rock shows, outdoor festivals, and a performance tour.

Hopefully, through this class students can continue to grow musically by specializing on an instrument, allowing them to take on more complex musical challenges for the future. Hopefully this class will give the students the experiences and skills that is needed to be a fantastic music performer at Chinook and the following years to come.

### **Jazz Band**

The Chinook Stage 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, Rock, Fusion and anything else that will enrich the class. Band students are encouraged to join, though the music is a little more challenging than Concert Band. We have singers in this group as well, though singers are auditioned for this class.



## 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.

### **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 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 that invites students to explore the art and science of photography. Whether you're new to photography or building on existing skills, this course provides a strong foundation in composition, camera operation, and digital editing. Students will complete three mandatory modules focusing on visual composition, editing techniques, and manual camera settings before moving into independent project-based work. Throughout the course, students will refine their personal style, experiment with different genres, and maintain a growing portfolio. This course is open to all Grade 10, 11, and 12 students, regardless of experience. A \$20 supplementary fee is required to maintain equipment and supplies.

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)**

### **Yearbook 10/20/30:**

Yearbook 10/20/30 is a unique, hands-on course where students take on the responsibility of producing Chinook High School's yearbook. This class operates like a real-world publication team, working under deadlines, standards, and expectations set by Jostens, our yearbook production company. Students will develop skills in page design, advanced publishing techniques, graphic design, copywriting, editing, and photography, with an emphasis on teamwork. Through this process, students will gain valuable experience in time management, collaboration, and visual storytelling while creating a lasting record of school events and memories.



## **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 9 (supplementary fee \$25)**

Sports Performance 9 introduces students to strength training and weightlifting fundamentals. Students will learn proper lifting techniques, training principles, and develop strength, speed, and power. This course provides the foundation for improved athletic performance and long-term fitness success.

### **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. (supplementary fee \$25).

Sports Performance 9 introduces students to strength training and weightlifting fundamentals. Students will learn proper lifting techniques, training principles, and develop strength, speed, and power. This course provides the foundation for improved athletic performance and long-term fitness success.

## **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.

**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.

**Observational Astronomy:**

Observational Astronomy is a dual-credit course offered to students in grade 11 and 12 who are interested in space and the observable universe. This course has a focus on the foundations of astronomy, including descriptions of the solar system, physical structures of planets, the birth and death of stars, and general cosmology. Lectures in Observational Astronomy will alternate between the science department at Chinook and professors from the University of Lethbridge. Students interested in pursuing post-secondary education are encouraged to take Observational Astronomy as the course offers students the opportunity to receive both High School credits and credits at the University of Lethbridge under the description of Astronomy 1850.

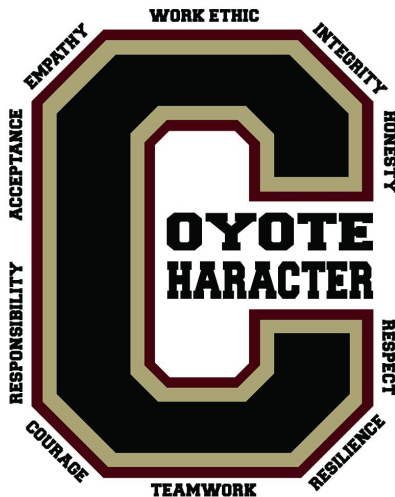


## Knowledge and Employability Program (K & E)

The Knowledge and Employability courses are designed to assist students in developing essential concepts, skills, and attitudes. The program includes courses in Mathematics, Social Studies, Science, and English and focuses on topics that are required for responsible participation in the home, school, workplace, and community. Successful completion of this program results in a Certificate of High School Achievement. 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>
<b>Total Credits Required for a Diploma = 100</b>			

