

## Grade 10 Course descriptions

### Core Courses-Grade 10

Course Name	Grade	Prerequisite	Description	Credits
English 10-2	10		This course exposes the student to a variety of communication forms within the six language arts, to expose the student to literature for enjoyment and understanding, and to improve speaking and listening skills. Structurally, the course is arranged in a series of thematic units that include at least one novel and a modern play.	5
English 10-1	10		This course is concerned with theoretical aspects of literature and the study of the various genres of literature. Major papers are required that explore understanding and appreciation of literature from a critical analytical perspective.	5
Social 10-2	10		Students will explore historical aspects of globalization as well as the effects of globalization on lands, cultures, human rights and quality of life. Students will explore the relationships among globalization, citizenship and identity. The infusion of multiple perspectives will allow students to examine the effects of globalization on peoples in Canada and other locations, including the impact on Aboriginal and Francophone communities. Students will develop skills to respond to issues emerging in an increasingly globalized world. Academic in nature with support from teacher. Leads to the stream that will allow student to complete high school diploma. Normally leads to college programs/some university programs.	3
Social 10-1	10		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. Students must maintain high standards to meet graduation requirements; course normally leads to university programs. Illustrates how responsible citizenship requires an understanding of the structure and function of government. Academic in nature. Takes a strong work ethic and focus.	5

Math 10-3	10		Topics include measurement, number patterns in tables, relations and functions, line segments, linear functions and trigonometry. Emphasis is placed on applications of mathematics rather than on precise mathematical theory. Academic in nature with support from teacher. Leads to the stream that will allow student to complete high school diploma, apprenticeship program, and some college programs.	5
Math 10C	10	Math 9	Topics include Measurement, Surface Area, Volume, Trigonometry, Factors & Products, Roots & Powers, Relations & Functions, Linear Functions, & Systems of Linear Equations. Emphasis is placed on mathematical theory. This course is academic in nature and takes a strong work ethic and focus. This course is a pre requisite for Math 20-1 or Math 20-2.	5
Math 10C Prep	10		Math 10C Prep is for students who have failed math 9 and need a prerequisite for math 10C, OR, for students who have passed math 9 and do not feel confident with their math skills for success in math 10C. Math 10C Prep will focus on improving student mastery of mathematical skills, concepts, and ideas. The aims of this course is to build the confidence necessary for success in future high school math courses, provide learning opportunities for critical thinking, problem solving, and communication skills while focusing on the core mathematical concepts required for success in math 10C and beyond. Note: Math10C Prep does NOT replace a grade 10 math requirement, but DOES count for credits towards high school graduation requirements.	5
Science 14	10		Science 14 enables students of varying aptitudes and interests, to develop a knowledge of the wide spectrum of careers related to science, technology and the environment. Science 14 leads to the stream that will allow student to complete high school diploma. Science 14 consists of four units of study: <ul style="list-style-type: none"> <li>• A. Energy and Matter in Chemical Change</li> <li>• B. Energy Flow in Technological Systems</li> <li>• C. Cycling of Matter in Living Systems</li> <li>• D. Energy Flow in Global Systems</li> </ul>	5

Science 10	10		<p>Science 10 is an integrated academic course designed to help you better understand and apply the concepts and skills common to biology, chemistry, and physics. In addition, Science 10 focuses on the interaction between science, technology and society. Students can continue to pursue a general science route or branch into more specific areas in science. Upon passing Science 10, students can enroll in Biology 20, Chemistry 20, Physics 20 and/or Science 20.</p> <p>Science 10 consists of four units of study:</p> <ul style="list-style-type: none"> <li>• A. Energy and Matter in Chemical Change</li> <li>• B. Energy Flow in Technological Systems</li> <li>• C. Cycling of Matter in Living Systems</li> <li>• D. Energy Flow in Global Systems</li> </ul>	5
<b>Wellness Courses-Grade 10</b>				
Phys Ed 10	10		<p>Physical Education 10 is a participation-based class which has been designed to have students experience a variety of individual and team based activities. We are very fortunate to have a program in which we have access to a gymnasium, outdoor field, curling club, ice rink, golf course and fitness center. Our program is intended to build upon current skill sets and game play knowledge, with a heavy focus on character and leadership development. Our goal is to develop physically literate students who will pursue a physically activity lifestyle. Students will have the opportunity to earn marks for physical activity done outside of our classroom as well as creating their own game. If students have a positive attitude about physical activity and try their best in each activity, they will do really well in this course.</p>	3

CALM/CTR	10		<p>This course involves the study of the following topics:</p> <p>Self-Management: Increase self-awareness through appraising and accepting strengths, talents, aptitudes and limitations. Build awareness of personal thinking processes and strategies.</p> <p>Well-being: Increase awareness that personal well-being is predominantly determined by one's lifestyle choices. Recognize the need to accept personal responsibility for decision making in attaining, maintaining and promoting optimal levels of well being.</p> <p>Relationships: Identify and explore the interaction that occurs within and between relationships. Explore issues within relationships and develop skills to adapt to required changes. Develop skills, attitudes and behaviors that promote effective relationships.</p> <p>Careers and the World of Work: Develop competencies required for effective career planning. Examine the relationship between career planning and lifestyle. Identify the requirements of a satisfying occupation within a personal framework.</p> <p>Independent Living: Develop conscious planning and decision making skills to make lifestyle choices that lead to personal satisfaction. Develop the skills and knowledge required to survive in the consumer market place.</p> <p>Human Sexuality: Develop an understanding and awareness of the dimensions of human sexuality within the perspective of the whole person. Develop an information base enabling responsible decisions about sexual behavior.</p>	5
----------	----	--	--	---

**Complementary Courses-CTS/Fine Arts/2nd Languages Grade 10**

<b>Course Name</b>	<b>Grade</b>	<b>Prerequisite</b>	<b>Description</b>	<b>Credits</b>
Aboriginal Studies 10	10		<p>The course is based on perspectives and worldviews of Aboriginal peoples. It includes the study of traditions and history of Aboriginal peoples in Canada, and particularly in Alberta. Student learning outcomes provide opportunities to examine such topics as governmental structures, literature, the arts and the sciences. The Circle of Courage is used as a framework, is based on the medicine wheel and is intended to help youth live a resilient and healthy lifestyle. There are four quadrants in the circle: Belonging, Mastery, Generosity and Independence. Activities in the course are designed to help students from all backgrounds learn in a safe and fun environment.</p>	3

Agriculture Master	10,11,12		<p>Students in the Senior High Agriculture courses (10, 20, 30) will be involved in the planting, harvesting and maintenance of the school's garden. During the cold months, we will focus on growing plants indoors. Equine science (horses), animal care (cattle, sheep, goats) agricultural career options and food preparation will be other aspects of this course.</p> <p>A combination of the following CTS courses will be included in the Agriculture program (10, 20, 30 levels)</p> <ul style="list-style-type: none"> <li>Plant Propagation</li> <li>Gardening</li> <li>Landscaping (Levels 1 and 2)</li> <li>Greenhouse/nursery crops (Levels 1 and 2)</li> <li>Introduction to Animal Basics</li> <li>Equine (Levels 1 and 2)</li> <li>Livestock/Poultry (Levels 1 and 2)</li> <li>Agricultural Safety</li> <li>Integrated Pest Management</li> <li>Farm to Table (Foods lab)</li> </ul>	5
Art 10	10		<p>Opportunities to explore new media and develop as an artist. The basic understanding of art and the creation of seven pieces of art. Technical skills required to work with specific media. The opportunity to participate in exhibitions, critiques, guest artist visits, and field trips. Sketchbook activities and project activities are designed to stimulate creativity and focus on technical drawing/design skills.</p>	5
Communication Technology	10,11,12		<p>ComTECH is a technology course designed to equip students with a variety of digital skills that will enable them to utilize technology for productivity and expression. This course provides engaging and meaningful technology-related experiences and empowers students to improve in all areas of their education in preparation for future professional careers.</p> <p>There are several paths that students can explore from graphic design, video and audio production, web site design and animation. ComTECH is all about flexibility and student choice, but you must also be willing to learn independently and try new things. Take a step into the world of digital creative freedom and expression in Communication Technology!</p>	5

Drama 10	10		Theatre 10 is a beginning workshop course where students explore the community skills of drama through workshopping scenes via planned, scripted and spontaneous improvisational group skill development.	5
Foods Studies Sr.	10,11,12		At the grade 10 level students begin with the basics of food preparation including food safety, sanitation, and proper equipment use. Students also have the opportunity to learn about nutritious snacks and appetizers, fast and convenient foods and contemporary baking. At the grade 11 level students sharpen their culinary and baking skills through courses such as fruits and vegetables, cakes and pastries, soups and sauces, and international cuisine. Foods 30 is an advanced cooking level. Students will sharpen their skills further with food presentation, creative baking, advanced soups and sauces, and regional cuisine. Also students will also get an opportunity to show case their talent by preparing food for their family and a community event.	5
French 10-3Y	10		Being able to understand and use another language is an important part of being a global citizen. By learning French, students are able to develop knowledge, skills, and attitudes needed to communicate in a variety of real-life contexts. In fact, second language learners tend to be more flexible and adaptable to new situations which is an asset for a career in an ever-changing world. There is also significant evidence to suggest that the impact of learning a new language is overwhelmingly positive for all types of learners – not just those headed to university. It enhances development in the first language as well as academic skills in other subject areas. It increases the ability to conceptualize and to think abstractly; and it fosters more cognitive flexibility, greater divergent thinking, and creativity. In this course, students will develop skills in listening, reading, writing, and speaking in French. This course is for beginners or students with very little French background. Join us!	5
Industrial Ed. Sr.	10,11,12		In Industrial Ed. Senior, Students in Level 1 will gain an in-depth understanding of safe and effective woodworking practices to build furniture from solid wood. Students will become proficient in operating a wide variety of woodworking equipment and know basic wood joinery. In Level 2, students will further implement woodworking techniques to wood forming, joinery, and cabinet making. There is also opportunity to choose to learn basic metal fabrication/welding principles in level 20 or 30. In Industrial Ed. 30, students learn leg and rail furniture techniques, surface enhancement, tool maintenance, and often have the opportunity to make something of their own design/choosing. Throughout each course/level, students will develop understanding of construction, manufacturing, industry, technology, and trades based careers.	5

Instrumental Music 10	10		<p>The purpose of the senior high band program is to engage students musically. This is facilitated through opportunities to continue to develop musicianship, and to refine one's qualities and abilities as a musician through things like performances, exposure to diverse and quality literature, aural and listening activities, and valuing and appreciating a variety of music, through the study and performance of a variety of repertoire. Further, it aims to equip students with the skills needed to continue with music in their post-secondary studies following high school.</p>	5
Outdoor Education Sr.	10,11,12		<p>The Senior Outdoor and Environmental Education course will provide students with a skill set for safe and successful participation in outdoor activities in Kananaskis Country. A significant portion of this course will take place outdoors in the river valley behind the school, in the school garden and in Kananaskis Country (5 field trips if COVID-19 Restrictions allow). Activities will include hiking, cross country skiing, snowshoeing, fishing and outdoor games. Topics of study will include outdoor living skills (shelter building, fire starting, knife use), wilderness navigation, trip planning, boat safety, wilderness first aid and gardening.</p> <p>The Outdoor Education program will use a combination of the following courses depending on the grade level (10, 20, 30)</p> <ul style="list-style-type: none"> <li>Outdoor Survival Skills</li> <li>Outdoor Cooking Theory/Practice</li> <li>Angling and Fish Management Theory/Practice</li> <li>Wilderness Navigation</li> <li>Outdoor Excursion</li> <li>Boat Safety</li> <li>Plant Propagation (school garden)</li> </ul>	5
Photography Sr.	10,11,12		<p>Photography: Learn about exposure and composition and transform your snapshots into works of photographic art. Then refine and add to your repertoire as you go up the grades. No experience or personal camera is necessary, however, this course is designed for those with a serious interest in photography as a hobby or career. This course consists of 5 modules that are worth 1 credit each.. Subjects include Black and White Photography, Portrait, Colour, Outdoor, Digital Editing, Printing and many more!</p>	5

Spanish Language & Culture 10-3Y	10		The learning of Spanish, as any other language, develops awareness of, and sensitivity to, cultural and linguistic diversity. This fact, in addition to preserving cultural identity, is also a means of cultural enrichment and is the best means of fostering understanding and solidarity among peoples and countries. Furthermore, it gives individuals the opportunity to identify, question and challenge their own cultural assumptions, values and perspectives and to contribute positively to society. There is also significant evidence to suggest that learning another language contributes to the development of increased grammatical abilities in the 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. Students will develop skills in listening, speaking, reading, and writing. The course stresses oral language skills and presents vocabulary likely to be needed by travels.	5
Sports Performance Master	10,11,12		The Sports Performance Program has been developed to allow students with an interest in training for athletic competition the opportunity to do so in a school setting. Students will be expected to demonstrate outcomes as they relate to the study of current training principles, performance enhancement and evaluation, sports studies and personal development. Other topics of study include muscular and skeletal anatomy, injury management and nutrition for sports and wellness. The course will take place in two locations, in the classroom where we will learn the theories and principles behind training for athletic competition, and in the weight room where these theories and principles will be put into place.	3
Textiles Art and Design Sr.	10,11,12		Textiles Art and Design combines a number of different textile skills including sewing, knitting, crochet, macrame, and embroidery. Students develop these skills to apply to a larger project. At the grade 10 level students begin with sewing fundamentals using basic seams and stitches, sewing equipment and tools, and fabric identification. Students also have the opportunity to learn about creating accessories, up-cycling materials, textiles art, and a choice project. At the grade 11 level, students sharpen their skills by learning more about accessories, specialty fabrics, surface embellishments, textiles art 2, and a choice project. At the grade 12 level students further their skills by delving into wearable art, specialty fabrics 2, textile art 3, and two choice projects.	5

Volunteerism & Leadership	10,11,12		<p>In this option, students have the opportunity to examine the role of volunteers in a community, to perform as volunteers, and to evaluate their volunteering experience. This course will provide references and experience to help build resumes for future work experience and also in applying for scholarships.</p> <p>Students will spend considerable time out in the community completing their volunteer hours. Examples of opportunities for volunteering in the community include helping in Seniors Homes, snow removal programs, helping to organize and participate in local club initiatives such as the Young Leos or participating as a student representative on the town councils for Turner Valley and Black Diamond.</p> <p>In addition, students can get credit for their hours organizing and participating in extracurricular clubs at school such as Student Council, the Grad Planning Committee, and the Sustainability Club. Students will not be expected to participate in all of the above initiatives and are not limited to only these examples.</p> <p>They will also explore basic principles of leadership and evaluate their personal leadership characteristics and qualities. Students will develop a plan for their personal growth as a member of a leadership team and examine the various behaviors, skills and roles of team members that contribute to team effectiveness which will further their success as future citizens of our community and society.</p>	3
<b>Off Campus Education Grade 10</b>				
Work Experience 15 Green Certificate Registered Apprentice	10 to 12		Off-campus education is an experiential method of learning that integrates a senior high student's classroom studies with recognized on-the-job work experiences through Work Experience, Registered Apprenticeship and Green Certificate programs.	Minimum 3