

Course	Description
Accounting 10	<p><b>Prerequisite:</b> None Accounting 10 is an introductory course introducing students to the fundamental principles of accounting. Accounting 10 is an introductory course introducing students to the fundamental principles of accounting. These include balance sheets, income, statements, worksheets, financial journaling and general ledgers. Students will learn the complete accounting cycle for a service business. In addition, students will explore the basics of real world financial situations and terminology ranging from personal banking, credit cards, loans and investments.</p>
Accounting 20	<p><b>Prerequisite:</b> Accounting 10 Accounting 20 explores the topics of budgeting, finding a place to live and real-world money management ranging from intermediate knowledge of credit cards and loans, as well as investments. Topics learned in Accounting 10 will be revisited and applied in the program <i>Quickbooks</i>, a computer-based accounting program. Students will develop a business plan, set up their own business and will perform all of the accounting practices in a technological environment.</p>
Accounting 30	<p><b>Prerequisite:</b> Accounting 20 Accounting 30 explores the topics of personal money management, as well as helping others with financial decisions. Projects include budgeting; travelling plans, costs and responsibilities; analyzing situations for others to find a place to live based on their financial situation; and advanced credit cards, loans and investments. Topics in Accounting 20 will be revisited and applied in the program <i>Quickbooks</i>, as well as learning more advanced options in this computer-based accounting program. Students will develop a business plan, set up their own business and perform all of the accounting practices in a technological environment.</p>
Aesthetics, Design & Sewing 9	<p><b>Prerequisite:</b> None. This course will look at four different units: Clothing Design, Introduction to Sewing, Interior Design, Aesthetics and Skin Care. In the Clothing Design unit, students will look at the elements of designing clothing, and create several different designs, culminating in a final wardrobe design project. Students will create two introductory projects during the Introduction to Sewing unit, and then attempt to bring one of their own designs to fruition. In the interior design unit, students will look at the different elements of designing a room, as well as some of the standard "tools of the trade" for interior designers, and will finish of with a project demonstrating their understanding of the concepts. Finally, in the Aesthetics and Skin Care unit, students will look at the basics of skin and nail care. This unit will also include some make-up application (on yourself or someone else), manicure and pedicure sessions, and a final project.</p>
Arts Ed 9	<p><b>Prerequisite:</b> None In grade 9 art students will examine how artists get ideas and how they use and transform these ideas when creating works of art. They explore different materials and techniques such as drawing, painting, sculpture and clay work. This will be a fun introduction to working in the Art room.</p>
Band 10	<p><b>Prerequisite:</b> None The following are the specific goals of Band 10, 20 and 30. By participating in the band program, students will: acquire the skills, abilities, understandings and attitudes necessary to express themselves musically as individuals and as members of an ensemble(creative/productive); be able to make informed decisions both as producers and consumers of music(critical/responsive); value and appreciate music from a variety of cultural and historical contexts and understand the role of music in daily life (cultural/historical)</p>
Band 20	<p><b>Prerequisite:</b> None The following are the specific goals of Band 10, 20 and 30. By participating in the band program, students will: acquire the skills, abilities, understandings and attitudes necessary to express themselves musically as individuals and as members of an ensemble(creative/productive); be able to make informed decisions both as producers and consumers of music(critical/responsive); value and appreciate music from a variety of cultural and historical contexts and understand the role of music in daily life (cultural/historical)</p>

Band 30	<b>Prerequisite:</b> None The following are the specific goals of Band 10, 20 and 30. By participating in the band program, students will: acquire the skills, abilities, understandings and attitudes necessary to express themselves musically as individuals and as members of an ensemble(creative/productive); be able to make informed decisions both as producers and consumers of music(critical/responsive); value and appreciate music from a variety of cultural and historical contexts and understand the role of music in daily life (cultural/historical)
Band 9	<b>Prerequisite:</b> None Students will use instruments, and technologies to express musical ideas. Combine the elements of music and principles of composition to express unified musical ideas. Compose and perform sound compositions to express prespectives and raise awareness about a topic of concern to youth.Respond to professional music works through individual or collaborative inquiry and the creation of own arts expressions. Use the arts to raise awareness on topics of concern to Indigenous artists in dance, drama, music, and visual arts.
Biology 30	<b>Prerequisite:</b> Health Science 20 or Enviromental Science 20. This course examines the details of living organisms and involves examination of organisms at various levels from molecular (biochemistry) through cells, tissues and concluding with organ systems. The study of inheritance rounds out the course. Human systems are studied including a hands-on dissection, with reference to simpler vertebrates and evolution.
Calculus 30	<b>Prerequisite:</b> Pre-Calculus 30 Topics of study include: Function transformations, domains and ranges, limits and continuity, differentiation, graphical applications of derivatives, rates of change, optimization problems, related rates, differentiation of transcendental functions and applications.
Calculus 30 AP	<b>Prerequisite:</b> Calculus 30 Topics of study include: All the topics of Calculus 30 with an emphasis of looking at all topics from a numerical, graphical, algebraic and analytical dimension. Other topics are Reimann sums, integration, area and volume of definite integrals, differential equations. This is a university class and the students will write a standardized University exam in the first week of May. If successful, the student will receive a 3 credit/unit class in differential calculus that is recognized in universities in the world and can be used toward an post-secondary degree.
Career and Work Exploration 10	<b>Prerequisite: None</b> This course can be taken for 1 credit. The program is designed to help students learn appropriate job skills such as interpersonal communications and time management. It is a practical course relating school-based learning to the job situation. The course consists of two major components: individualized, self-directed learning activities and 50 hours at a work placement.
Career and Work Exploration 20	<b>Prerequisite:</b> None Work Education 20 is a combination of individualized self-directed learning activities and on-site job experience. The concepts of work, self-awareness, career exploration, job search techniques and job success skills are studied. Students select different job sites for practical work experience and application of learning activities. Students do not receive any remuneration for their work experience. The course consists of two major components for 1 credit: individualized, self-directed learning activities and 60 hours at a work placement. The student is required to provide his/her own transportation to work sites. Note that these credits may not be used for university entrance.

Career and Work Exploration A 30/B30	<b>Prerequisite:</b> None The Work Education 30 program consists of two components. The individualized learning activities component includes the study of such topics as personal awareness, career planning and exploration, job search and preparation, employer-employee relations, labor standards, business structures, and financial management. The on-site work experience component consists of different employment opportunities for which the student does not receive remuneration. The course consists of two major components for 1 credit: individualized, self-directed learning activities and 75 hours at a work placement. The student is required to provide his/her own transportation to work sites. Note that these credits may not be used for university entrance.
Chemistry 30	<b>Prerequisite:</b> Physical Science 20. Chemistry 30 involves an exploration of chemical structure and properties including organic compounds, with the main theme of the course being chemical equilibria; solutions and solubility equilibria, acid-base equilibria, and finally oxidation-reduction (electrochemistry). Mathematical problem solving skills are necessary for success in this course. An independent exploration project is a component of this course.
Choir 9	<b>Prerequisite:</b> None This course will focus on vocal singing including: correct breathing, phrasing, vowel and consonant formation, and choral group singing. In an encouraging environment, students will develop their music-reading skills, knowledge of music and vocal technique through performing in choir. <b><i>Students are expected to participate in all performance events throughout the year.</i></b>
Choral 10	<b>Prerequisite:</b> None This course deals with vocal techniques, choral repertoire and solos. Choral 10 students are expected to participate in all events throughout the year. <b><i>Students are expected to participate in all performance events throughout the year.</i></b>
Choral 20	<b>Recommended:</b> Choral 10 or permission This course is a continuation of Choral 10. The course deals with vocal techniques, and solos. Choral 20 students are expected to participate in all events throughout the year. <b><i>Students are expected to participate in all performance events throughout the year.</i></b>
Choral 30	<b>Recommended:</b> Choral 20 or permission This course is a continuation of Choral 20. The course deals with vocal techniques, and solos. Choral 30 students are expected to participate in all events throughout the year. <b><i>Students are expected to participate in all performance events throughout the year.</i></b>
Christian Eth 10	<b>Prerequisite:</b> None Christian Ethics 10 has as its core theme Jesus Christ as revealed in the New Testament: His person, His works, and His actions. A study of his life and times helps students to understand the Christian perspective of the person and the divinity of Jesus Christ.
Christian Eth 20	<b>Prerequisite:</b> None The Christian Ethics 20 course is not intended to provide a total, comprehensive understanding of the Christian message. Its role is to help students articulate, reflect upon, and understand some common foundations of Christian beliefs and practice. The emphasis of this particular course will be on the rationale (reasons) for Christian belief.
Christian Eth 30	<b>Prerequisite:</b> None A goal of the Christian Ethics 30 course is to help students increase their understanding of the history of Christianity. Events preceding Jesus Christ to present day are explored in the context of how they shaped the Christian faith. Special attention is given to present-day issues that challenge Christians.

Clothing T and F 30	<b>Recommended:</b> Practical & Applied Arts Survey A10 (Home Ec. 10) This class will strengthen the students knowledge, understanding and application of sewing techniques by creating a personalized sewing project. This class will also include information on clothing design, fabric identification and the history of clothing and fashion. A strong interest in sewing and good sewing skills are needed to successfully complete this class.
Commercial Cooking 20	<b>Recommended:Students should have their Food Safe Level 1 or be prepared to challenge the certification. This certification is offered in PAA 10 at WHS.</b> The Commercial Cooking courses are designed to create an awareness of and to develop entry level food preparation skills for the food industry. The food service industry is one of the largest employers in Canada. The study of food and cooking methods is essential to the cooking trade; therefore, lessons for students in cooking theory reinforce practical exercises. Students are also introduced to standards of professionalism that include elements of personal hygiene and the qualities of good workers. This class will not be taught in a sequential way. We will be catering breakfasts, lunches, and meetings to both meet an enhance our practical skills. The revenue generated from catering will be used to enhance learning opportunities (extra labs, upgraded equipment and field trip(s)).
Com Media 10	<b>Prerequisite:</b> None Students in this class will produce many short (60 second or less) videos and gain basic knowledge in the following areas: 1. The use of camcorders to take good video 2.The use of a variety of external mics to get better audio on the camcorder 3.The use of a variety of lighting techniques to improve video quality 4.How to capture and edit video on the computer 5.How to export video to a variety of formats. (DVD, Tape, and various internet video formats) 6. How to do basic video special effects.
Com Media 20	<b>Prerequisite:</b> None Students in this class will produce several videos (2 to 5 minutes) individually and in groups and gain advanced knowledge in the following areas: - The advanced use of camcorder jibs, cranes, and camera dollies. --- The use a variety of lighting techniques to add effects to video. --- How to plan and produce video as part of a team.-- Advanced editing and DVD production techniques. --- How to do advanced video special effects with green screens,
Com Media 30	<b>Prerequisite:</b> None In this class students will spend the entire class using what they have learnt in CPT 10 and CPT 20 to develop their skill at producing longer productions (5 to 20 minutes.) Students who are interested and motivated may choose to spend up to half of this class pursuing areas of interest in Video Specials Effect, Audio and Music Production, or Animation.
Comp Sci 20	<b>Prerequisite:</b> Non specified This course will introduce students to programming using the Python computer language. We will study the basics of programming and writing algorithms. Throughout the course we will cover data types, decision making structures, looping conditional statements, functions (built in and student created) and arrays. Students will have a good foundation in programming when the complete this course. The last project of the course will be making a computer game using the concepts we have covered throughout the course.
Comp Sci 30	<b>Prerequisite:</b> Computer Science 20 We will be extending our knowledge of programming using Processing and Java. This course is much more visual in that we are incorporating graphics into all of our pgrams. We will cover many of the same structures that we used in Python but now using a new computer language. The structures we will look at are: data types, decision making structures, looping, conditional statements, functions and arrays, but now we will extend our knowledge to two dimensional arrays, and input/out files. Students will create as their final project a computer game using Processing and Java.
Computer Ed 9	<b>Prerequisite:</b> None This course is an introduction to the Division IV computer classes. Students will learn many of the necessary aspects to be successful using computers at Warman High School.

Creative Writing 20	<b>Prerequisite:</b> English Language Arts A10 and B10 Write your own ticket. Creative Writing fosters the excitement of writing in a relaxed atmosphere where you have numerous opportunities to write from experience about what interests you. You will acquire the expertise to generate ideas, develop language precision, edit with understanding and confidently deliver a published work to an audience. Creative Writing is a one-of-a-kind English Language Arts program that will develop such important life skills as communication, time management, self-expression, and critical and creative thinking.
Draft and CADD 10	<b>Prerequisite:</b> None This course is an introduction to Computer-Aided Drafting using the computer program AutoCad.. It will include using CAD basics in simple drawings, multi-view drawings, pictorial drawings, basic dimensioning, sectional views, basic floor plans (2-D), furniture design and career opportunities. The final project will be designing a dream house.
Draft and CAD 20	<b>Prerequisite:</b> CADD 10 This course builds on the skills learned in CADD 10 with more advanced drawings, using AutoCad. New topics include auxiliary views, 3-D drawings, and advanced dimensioning. In architectural, students will draw advanced floor plans, learn how to frame walls, exterior wall finishes, draw basic wall elevations (with windows and doors) and 3-D furniture, if time. In addition, secondary education and career opportunities are explored. The final project will be a 3-D dream house.
Draft and CAD 30	<b>Prerequisite:</b> CADD 20 Students will advance their skills through more complex 2-D and 3-D drawings in AutoCad. Students will add more details on architectural floor plans. They will also explore and design electrical plans as well as, stairwells. If the opportunity arises, students may have an opportunity to complete a real-world project. Secondary education and career opportunities will be researched. The final project will be student-choice driven.
Drama 10	<b>Prerequisite:</b> None This course is an opportunity for students to explore the various aspects of drama: movement, speech, co-operation, characterization and theatre production. Participants gain communication, organizational skills, confidence and concentration. Plus it's fun!! Drama 10 students are expected to participate in various events throughout the year.
Drama 20	<b>Prerequisite:</b> Drama 10 This is an extension of the Drama 10 course. Students become involved in advanced improvisation, scene work, and technical dramatic study. Student direction and management in a full length production are encouraged.
Drama 30	<b>Prerequisite:</b> Drama 20 This is an extension of the Drama 10 course. Students become more involved in stage management, technical management, student direction, playwriting, set design, costume design, and special makeup and hair.
Drama 9	<b>Prerequisite:</b> None Drama 9 is an exciting opportunity to study the basics in the dramatic arts. We will study team building, concentration and confidence, characterization, scripts writing, improvisation, Theatre Sports (competitive drama), drama games, storytelling, radio drama, pantomime, student direction, how to be an effective audience member etc. There is a major final project in this course, concluding in a performance for a larger audience. There is some written work in Drama.
ELA 20	<b>Prerequisite:</b> English Language Arts A10 and English Language Arts B10 English Language Arts 20 (ELA20) is organized around themes. Thematic units suggested in this curriculum: Recollection – A Journey Back: Possible sub-themes include: Innocence and Experience, Family and Peer Relationships, School and Education, Wonder and Imagination, Triumphs and Defeats. Anticipation – On the Threshold Possible sub-themes include: Roles and Responsibilities, Choices and Commitments, Perspectives and Passages, Values and Goals.

ELA 9	<b>Prerequisite:</b> None View, listen to, read comprehend and respond to a variety of texts that address identity. Select and use appropriate strategies to construct meaning before, during and after viewing, listening and reading. Create and present an individual researched inquiry project related to a topic, theme or issue studied in ELA. Assess personal strengths and needs a viewer, listener, reader, representer, speaker and writer and contributions to the community of learners and develop goals based on assessment and work toward them.
ELA A 10	<b>Prerequisite:</b> ELA 9 The ELA A10 themes include: The Unknown Hopes and Fears, Challenges – Winners and Losers, and Frontiers-Canadian Journeys and Discoveries. The course involves study of novels, non-fiction, drama, short stories and film. Students will have numerous opportunities to develop language and literacy skills in reading, writing, speaking and listening.
ELA B10	<b>Prerequisite:</b> ELA 9 ELA B10 themes include: Equality-Pain and Pride, Decisions-Action or Apathy?, and Environment and Technology-Reality and Responsibility. The course involves study of novels, non-fiction, drama, short stories and film. Students will have numerous opportunities to develop language and literacy skills in reading, writing, speaking and listening.
ELA A 30	<b>Prerequisite:</b> ELA 20 The A30 course is organized around themes that focus on Canadian literature and society. “Canada: Diverse Landscape and People” and “Identity and Diversity” are examples of themes studied in this course. Assignments and activities are designed to continue development of skills in listening, speaking, representing, reading and writing. Of particular importance is the student and composition of the literary essay.
ELA B 30	<b>Prerequisite:</b> ELA 20 The B30 course is an issues-oriented course organized around human concerns in a global society. Students study both traditional and contemporary world literature in a comparative manner to explore themes from global perspective. “The Human Condition-In Search of Self” and the “The Social Experience-Beyond Personal Goals” are examples of issues studied in this course.
Entrepreneur 30	<b>Prerequisite:</b> None The aim of the Entrepreneurship 30 curriculum is to provide students with opportunities to: <ul style="list-style-type: none"> <li>• to acquire knowledge and develop skills necessary to plan and begin a venture, and</li> <li>• to appreciate the role that entrepreneurs play in our society and economy.</li> </ul> The Goals of the course are: <ol style="list-style-type: none"> <li>1. Awareness - to develop and appreciation for the impact entrepreneurs have and for the complexity involved in planning, initiating and operating a successful venture.</li> <li>2. Technological Skills: To develop skills in using technology to enhance work, and to recognize both the impact technology has on our society and the opportunities technology creates for small business.</li> <li>3. Communication: To develop communication skills using appropriate vocabulary in context both in undertaking course work and in relating to customers, employers, and other parties.</li> <li>4. Independent Learning: To promote a desire for lifelong learning and independent work practices.</li> <li>5. Accountability: To instill a sense of responsibility for, and pride in, one’s work.</li> <li>6. Career Development: To develop an awareness of post-secondary training opportunities, to explore various entrepreneurial career opportunities, and to support students in making career decisions.</li> <li>7. Personal Management Skills: To develop a strong and positive personal identity and to enhance self-esteem through success with planning, beginning, and operating a venture.</li> </ol>
Environmental Science 20	<b>Prerequisite:</b> Science 10 Students will learn how to examine local and global environmental issues from a systems perspective while considering the effects of human actions and a growing global population on the climate and environment, as well as the effects of the environment on human health. They will explore the mechanisms and importance of aquatic and terrestrial ecosystems and the sustainability of past and current practices and technologies humans have developed to live with and within the environment.

Exercise Science 30	<b>Prerequisite:</b> None (Recommend 20 Level Math, Physics 20, Biology 20) Exercise Science focuses on the study of human movement and of systems, factors and principals involved in human development. Students will learn about the effect of physical activity on health and performance, the evolution of physical activity and sports, and the factors that influence an individual's participation in physical activity. The course prepares students for university programs in physical education, kinesiology, recreation, sports administration, or any health profession.
Financial Literacy 20	<b>Prerequisite:</b> None The many aspects of money will be discussed at a beginner and intermediate level in areas including: purpose of money, security, budgeting, role of financial institutions, monitoring transactions, taxation, income, interest, credit, careers, and fraud. The course will be very practical and work to discuss all your money questions.
Financial Literacy 30	<b>Prerequisite:</b> None The many aspects of money will be discussed at an intermediate and advanced level in areas including: personal finances, financial advice, personal income tax, funding post-secondary school, saving, investing, and debt management. This course will be very practical and allow students to investigate all aspects of money.
Food Studies 30	<b>Recommended:</b> Practical & Applied Arts Survey A10 (Home Ec 10) or Permission This course combines academics with practical food experiences. There will be a minimum of 15 cooking experiences plus assignments, notes, tests and projects. Topics covered include the study of nutrition; fruit, vegetable and salad preparation; milk, egg and cheese cookery; poultry, beef and pork; principles of baking.
Found of Math and Pre-Calc 10	<b>Prerequisite:</b> Math 9 Topics in the class are factoring, irrational numbers, units of measurement (SI and imperial), trigonometric ratios, polynomial expressions, relations and functions, slope, linear relations, equations of linear relations, and problem solving.
Foundations of Math 20	<b>Prerequisite:</b> Foundations of Mathematics & Pre-Calculus 10 This class is designed to provide students with the mathematical understanding and critical thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include financial mathematics, geometry, measurement, number, logical reasoning, relations and functions, statistics and probability, For math students that excel at math this class is recommended to improve mathematical understanding and develop stronger math skills before taking Pre-Calculus 20.
Foundations of Math 30	<b>Prerequisite:</b> Foundations 20 In this class, students will be able to demonstrate an understanding of financial decision making, inductive and deductive reasoning, set theory and its applications, extend understanding of odds and probability and probability of two events, combinatorics and representation and analysis of data and data collection.
French 10	<b>Prerequisite:</b> French 9 The curriculum promotes the teaching of language through themes that focus on student experiences. Each field of experience includes a topic to be developed and an experiential goal. This goal creates a need to know certain language structures and vocabulary which are formally taught. The themes include consumerism, le permis de conduire (driver's license) and les voyages (travel).
French 20	<b>Prerequisite:</b> French 10 This course provides students with knowledge about the structure and functioning of the language and develops the ability to communicate. A systematic approach is used to develop the four language skills -- speaking, reading, listening and writing. The themes include lifestyles, arts and franco-jeu (games).
French 30	<b>Prerequisite:</b> French 20 This course is designed to develop vocabulary relevant for daily communication to acquire a knowledge of French idioms, to revise previously learned verb tenses, and to further develop reading and speaking skills. The themes include media, cultures of the world and world issues.

French 9	<b>Prerequisite:</b> None The French 9 curriculum consists of several units including: Les Voyages (Trips and Excursions) in which students will research and present a travel brochure on a vacation destination of their choice. Les Films (Movies) in which students will critique movies as well as videotape and show a movie of their own. Les Emplois (Part-time jobs) in which students will learn about professions and will prepare a resume and a job interview. This class will include opportunities to improve grammar, vocabulary and oral speaking skills with emphasis on fun projects and participation. Allons-y!
Garage Band 10	<b>Prerequisite:</b> None Also known as: <b>Practical Performing Arts 10/20</b> is designed and a great fit for students who have developed musical skills outside of the formal music classroom. Students may have experience learning keyboard, voice, learning how to play guitar from a friend/on-line, DJ music recording, slam poetry/rap or wishing they could use their jazz bass in a punk band. These students will be given the opportunity to apply these skills in a school setting, under the supervision of a qualified music teacher, with other students of like mind. This course will promote performance musicianship and student led small group rehearsals with emphasis on improvisation, aural learning, and a variety of music notation reading skills. <b><i>Students are expected to participate in all performance events throughout the year.</i></b>
Garage Band 20	<b>Prerequisite:</b> None Also known as: <b>Practical Performing Arts 10/20</b> is designed and a great fit for students who have developed musical skills outside of the formal music classroom. Students may have experience learning keyboard, voice, learning how to play guitar from a friend/on-line, DJ music recording, slam poetry/rap or wishing they could use their jazz bass in a punk band. These students will be given the opportunity to apply these skills in a school setting, under the supervision of a qualified music teacher, with other students of like mind. This course will promote performance musicianship and student led small group rehearsals with emphasis on improvisation, aural learning, and a variety of music notation reading skills. <b><i>Students are expected to participate in all performance events throughout the year.</i></b>
Graphic Arts 20	<b>Recommended:</b> Visual Art 10 or Permission The course deals with the application of the theory of design, skills, techniques and lettering to prepare advertising and commercial art. The majority of the course is project based. Students use various mediums such as: calligraphy, pencil crayons, silk screen, air brush, and computers to create logos, ads, and product packaging.
Graphic Arts 30	<b>Recommended:</b> Visual Art 10 This class focuses on the creation of promotional packages and magazine advertising. The majority of this course is project based. Students will work individually or in teams to create promotional packages and will develop their graphic abilities at an advanced level.
Guitar 10L	<b>Prerequisite:</b> None Guitar 10 is a performing arts class where the emphasis is on learning how to play the guitar. Students will begin their study of the many styles and techniques that are found in guitar playing. Students will learn to read guitar tablature, play open chords, and accompany other musicians. Students will begin to learn applicable music theory that accompanies being a successful guitarist at a more advanced level.
Guitar 20L	<b>Prerequisite:</b> Guitar 10 unless you get approval from instructor. Guitar 20 is a performing arts class where the emphasis is on advancing the guitar playing skills and knowledge acquired in Guitar 10. On top of using tablature and chord charts, students will begin using musical notation and will advance their learning of musical theory in guitar playing. They will learn to play and use bar chords. Scales are introduced, and along with ear training, will be used to develop improvisation techniques on the guitar.



Guitar 30L	<b>Prerequisite:</b> Guitar 20 This course will introduce students to the guitar, and teach them how to properly tune and care for the instrument. It will present the history of the guitar, its significance in the music world, and how the instrument is featured in many of the music cultures around the world. Basic playing techniques will be introduced, and students will begin to learn chords and how to play simple songs.
Guitar 9	<b>Prerequisite:</b> None Guitar 9 in an introductory performing arts class where the emphasis is on learning how to play the guitar. Students will learn to read guitar tablature and play open chords.
Health Ed 9	<b>Prerequisite:</b> None Develop informed conclusions about the importance of leadership skills and health promotion in healthy decision making. Assess the role of health promotion in making healthy decisions related to comprehensive approaches to safety, non-curable infection/diseases, romantic relationships, healthy food policies, addictions, tragic death and suicide, chronic illness, and sexual health. Design, implement, and evaluate three eight-day action plans that demonstrate responsible health promotion related to comprehensive approaches to safety, non-curable infections/diseases, romantic relationships, healthy food policies, addictions, tragic death and suicide, chronic illness, and sexual health.
Health Science 20	<b>Prerequisite:</b> Science 10 This course will challenge students to look at the health science field from holistic and analytic perspectives to provide a basis for making sound personal health choices. Students will examine the range of philosophies that guide health care and consider ethical decision within those contexts. Understanding the basic anatomy and physiology of the human body will provide a context for studying the normal and abnormal functioning of various body systems, including the role of nutrition and metabolism. Lastly, students will examine diagnostic tools and procedures and how they are used to inform treatment. Students will also investigate the range of health science careers and post-secondary programs available in Saskatchewan.
Hist 30: Can St	<b>Prerequisite:</b> History 10 Canadian studies including geography, native culture and contributions, French-English relations, Canadian-American relations, multiculturalism, Canadian political and economic history, and the function of our government.
History 10	<b>Prerequisite:</b> Social Studies 9 This is a continuation of the study of the foundations of western civilization. The course includes political decision-making, economic decision-making, ideology and the decision making process, international economic relations and international political relations from 15th through 19th century Europe. A History 10 credit is needed to take History 30.
History 20	<b>Recommended:</b> History 10 is a survey course covering the 20th century, spanning the First World War to today. This course will focus on a number of themes such as nationalism, totalitarianism, imperialism, militarism, terrorism. It outlines and explains how events and people of the past have shaped our current world.
Home Ec 9	<b>Prerequisite:</b> None Students continue to develop their food preparation skills with an emphasis on Making Healthy Food Choices. It includes a study of the Canada Food Guide. Food preparation centers around preparing healthy and quick breakfasts, snacks and lunches.
Ind Arts 9	<b>Prerequisite:</b> None Woodworking - this unit introduces many of the power tools found in the Industrial Arts shop such as the router, jointer, planer, stationary sanders and shaper. The project is a wall clock, which requires the use of power tools to prepare a wood plank which is decorated with a picture painted on the face. The use of power tools and laminating of wood provide important knowledge and practice that are useful in the woodworking classes in grades 10 - 12. Metalworking - includes the study of careers, metal production, tools, metal shaping and joining. Hand tools are used to cut, shape, thread and forge the parts of a small hammer and a ring.

Info Proc 10	<b>Prerequisite:</b> None This course will focus on using computers for personal use. The students will learn how to write resumes, letters, reports and other personal documents. They will also learn to use a spreadsheet for various applications and how to generate many types of charts. A basic introduction to digital photography will be included and students will learn how to do simple digital editing and photo correction as well as a how to create some simple special effects. Finally, students will learn how to use PowerPoint to put together a slide show presentation. Scanners and digital cameras will be used at various points throughout the course. Students are not required to have their own digital camera but may if they wish to. Students should supply their own cheap set of earbuds or headphones for this course.
Info Proc 20	<b>Prerequisite:</b> None This course will expand on what was covered in Information Processing 10 and will focus on the use of computers and applications in business. Manuscripts will be reviewed including a complete table of contents, headings, endnotes/footnotes and a bibliography page. Spreadsheets, charting and databases will be covered. Desktop publishing will be introduced and students will create a simple newsletter. Students will also design an advanced power point presentation and use Photoshop to create posters for an event
Info Proc 30	<b>Prerequisite:</b> None This course is composed mostly of large projects and some group work. The focus is on the use of computers and applications for project and office management. Students will produce a variety of more advanced publications like pamphlets, brochures, newsletters, newspapers or children's books using desktop publishing. Students may choose to dedicate a portion of their semester to exploring various applications of person interest in areas like web page development, animation, areas of graphic arts, advanced office applications, multimedia creations, etc
Int Design 30	<b>Recommended:</b> Home Ec. 10 Interior Design 30 allows the student to gain an appreciation of design fundamentals. In this class the student will learn how to manipulate and apply the tools of design in a variety of situations in the home. The course will also include information on architectural styles and housing trends.
Law 30	<b>Prerequisite:</b> None This course is designed to assist students in becoming active, informed, and productive citizens who know and understand their legal rights and responsibilities. We will explore the foundations of Canada's legal system, criminal law, civil law, family law and labor law.
Math 9	<b>Prerequisite:</b> None Students will demonstrate an understanding of powers with integral bases, rational numbers and square roots. They will study linear relations, problem solve using linear equations and linear inequalities and polynomials. They will demonstrate an understanding of circle properties, area and surface area, similarity of 2-D shapes, line and rotation symmetry and finally a look at data collection and analysis including the role of probability in society.
Native Studies 10	<b>Prerequisite:</b> None The aim of Native Studies 10 is to help all students develop their knowledge, positive attitudes and cultural understanding about First Nations, Métis and Inuit peoples. The unique history of Aboriginal peoples is part of our collective past and present reality. Thus, students will benefit from a study of Aboriginal peoples because it will give them the opportunity to understand and respect one another.
Native Studies 20	<b>Prerequisite:</b> None Native Studies 20 is an examination of contemporary issues of concern to Indigenous peoples around the world. Case studies are used to support and expand upon the basic concepts, legislation, and Indigenous perspectives presented in the Student Resource Guide. It is hoped that students will: <ul style="list-style-type: none"> <li>• gain an understanding of the historical bases of current issues of concern to Indigenous peoples;</li> <li>• become aware of and increase their understanding of philosophies which are the foundations of Indigenous cultures;</li> <li>• develop a personal sense of social commitment through the creation and implementation of action plans for social change.</li> </ul>

Native St 30: Can St	<b>Recommended:</b> History 10 The aim of Native Studies is to develop personal awareness and cultural understanding, and to promote the development of positive attitudes in all students towards Indigenous peoples. This is a course that examines contemporary Canadian Aboriginal issues. The curriculum is broken into five units: Aboriginal and Treaty rights, governance, land claims and land entitlement, as well as economic development, and social development
PAA Survey A10	<b>Prerequisite:</b> None This course surveys a number of topics of interest. It includes meal planning; International Foods; a Sanitation Training Course for Food Handlers called "Food Safe"; plus a sewing project.
Outdoor Ed 20	<b>Prerequisite:</b> Science 10 Outdoor Ed a combination of Environmental Science 20 and Phy Ed 20. It occurs in an outdoor classroom environment. Admission into this course is by application only
PAA Survey A20	<b>Prerequisite:</b> This survey Home Economics course will focus on modules to help students plan to prepare to live independently. It will be a combination of sewing and cooking.
PAA Survey B10	<b>Prerequisite:</b> None This is a survey course and includes: this course focuses on traditional and current woodworking techniques - safety, wood theory and the use of stationary and portable power tools. Students will create a project specified by the teacher and may have to pay for the materials depending on the complexity of their project.
PAA Survey B20	<b>Recommended:</b> Practical & Applied Arts Survey B10 (Industrial Arts 10) or Permission This survey includes: The focus of this course is Carpentry and Construction - safety, advanced use of power tools and an introduction to building construction. Students will gain experience working in teams to create sheds while following proper residential construction protocol. If time permits, students may have the option to build a personal project. Additional cost may apply.
PAA Survey B30	<b>Recommended:</b> Practical & Applied Arts Survey B20 (Industrial Arts 20) This survey course includes a further exploration of wood working techniques, safety, wood theor and cabinetry. Students may choose what project to build. We will utilize a number of different materials and techniques. The students may be required to pay for their projects depending on the complexity of their chosen project.
Personal Fitness 20	<b>Prerequisite: None</b> Students in this course will improve upon their balance, coordination, speed, flexibility, strength, agility and power. We focus on the latest training principles while applying them to our workouts during regular class time. The training principles that we apply are: functional movements, core strength, resistance training, stretching and plyometrics.
Personal Fitness 30	<b>Recommended:</b> This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills, participation in a variety of activities that enhance personal competence, fitness, and health, examination of issues related to healthy sexuality, healthy eating, substance use and abuse, and the use of informed decision-making, conflict resolution, and social skills in making personal choices. Improved physical fitness through aerobic and weight training is the main objective of this course. Success is dependent upon the students being strongly motivated to improve their personal fitness.
Photography 10	<b>Prerequisite:</b> None This course focuses on the following areas: 1. The use of digital cameras and understanding and using the controls on them. 2. Develops basic photographic skill and a knowledge of good photo composition. 3. Knowledge of photographic terminology and the use of light, light kits and the flash. 4. Image adjustment, picture correction, problem correction and image manipulation. 5. An introduction to creating effects in digital photography.

Photography 20	<b>Prerequisite:</b> None This course goes into more depth in the aspects covered in the Photography 10 course as well as covering: 1. The critiquing, presentation and sharing of images. 2. Photojournalism 3. Advertising and product photography. 4. Intermediate photo correction and manipulation. 5. Includes several photographic projects giving the student freedom to do some projects in areas of special interest to the individual student.
Photography 30	<b>Prerequisite:</b> None but may struggle without the basics covered in Photography 10 This course goes into great depth in the main aspects covered in the Photography 10 course as well as covering: 1. Portraiture 2. Advanced photo correction and manipulation. 3. Entrepreneurship 4. Students may choose from a variety of person interest areas and are able to spend a good portion of class time developing skills in their special areas of interest.
Phys Ed 20	<b>Prerequisite:</b> None Cost: \$25.00 The new Physical Education 20 is an extension of the Wellness 10 program in that it is directed at lifetime recreation and developing an active lifestyle which will promote lifelong fitness and health. The course has five themes: Developmental Games and Sports, Educational Games and Sports, Educational Gymnastics, Fitness and lifetime games and sport.
Phys Ed 30	<b>Prerequisite:</b> None The course is an extension of the PED 20 program and follows the same five themes. Students adopt a greater responsibility for their own health and fitness choices as well as their involvement in promoting lifetime fitness in the community through individual and group projects.
Phys Ed 9	<b>Prerequisite:</b> None Grade 9 students will design and implement plans to use effective tactics and strategies, with consideration for the environment, to support participation in alternate environment activities. students will reflect and express insights on the experience of participating in body management activities as a means to support participation in recreational and leisure time activities for physical, emotional, mental, and spiritual wellbeing.
Physical Science 20	<b>Prerequisite:</b> Prerequisite: Science 10. Recommended: Foundations of Math 20 or strong mathematical problem solving skills. Physical Science 20 combines chemistry and physics in an introductory course that serves as the prerequisite for Chemistry 30 and Physics 30. Physical Science 20 involves an exploration into topics in both chemistry and physics. Topics of study include waves, light (and other electromagnetic radiation), sound, chemical reactions, stoichiometry, and heat. Career investigation and independent exploration are also a component of this course.
Physics 30	<b>Prerequisite:</b> Physical Science 20. The Physics 30 course explores the following topics: vectors, uniform motion, accelerated motion, forces and Newton's laws, circular and projectile motion, kinetic and potential energy, momentum and impulse, electromagnetic and gravitational fields, wave particle duality, relativity, and nuclear physics. An independent exploration project is a component of this course. Strong mathematical problem solving skills are necessary for success in this course.
Pre-Calculus 20	<b>Prerequisite:</b> Foundations of Mathematics & Pre-Calculus 10 This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus.
Pre-Calculus 30	<b>Prerequisite:</b> Pre-Calculus 20 This pathway is designed for students that are planning to take Calculus 30 and/or Advanced Calculus AB. This class is a rigorous math class with focus on relations, functions, graphing, solving and number theory. These critical-thinking skills are required for entry into post-secondary programs that require advanced math/sciences classes.

Psychology 20	<b>Prerequisite:</b> None This course deals with developing an understanding of individual behaviors through psychological methods and theory. The major areas of study are personality, intelligence, and principles of learning.
Psychology 30	<b>Prerequisite:</b> None The Psychology 30 course studies the human life span from pre-natal development through infancy, childhood, adolescence, early and mid-adulthood and old age. It discusses the unique characteristics of individuals at these different stages. Students learn about the development tasks that one must confront in order to grow successfully at each stage. Psychology 30 also branches out into other areas of psychology and research (e.g., ways of coping with stress).
Robotics 10	<b>Prerequisite: None.</b> Robotics 10 is an introduction to the world of robotics. It is a great hands-on experience for students to build, create, and code using Arduino. It covers everything from knowing how to use the tools needed to work with electronics to soldering to coding with a partner. The coding is at the introductory level, so no previous knowledge is required. Most assignments are project based and interactive. If you like working with your hands, collaborating with others, and learning cutting-edge technology, this is the class for you!
Robotics 20	<b>Prerequisite:</b> Robotics 10. Robotics 20 is an intermediate class in robotics. Students go beyond what was learned in Robotics 10 to create their own Arduino code and design their own projects. Soldering with Printed Circuit Board (PCB) allows for design of more complex projects. A more in-depth discovery of the operation of computers is achieved via a game environment. Students also have opportunity to create simple designs to be printed on the WHS 3D printer and incorporated into their projects. Students in this course will build a vehicle to be controlled through a course with code as a final project.
Robotics 30	<b>Prerequisite:</b> Robotics 10 and 20. Robotics 30 will do more advanced Arduino microprocessor programming and build more complex electronic machines to perform a variety of tasks. They have choices about aspects of the new Saskatchewan Robotics curriculum that they would like to explore (drones, robotic arms, radio-controlled vehicles, combat vehicles, wearable devices, etc). A unit on Design gives students the opportunity to create and print their own robot bodies on the WHS 3D printer. Students will modify and build a variety of robots and may choose to enter and compete in the Saskatoon Combat Robotics Club (SCRC) tournament called Kilobots, with teacher approval.
Science 10	<b>Prerequisite:</b> Science 9. The Science 10 course has three key units: Climate and Ecosystem Dynamics (this unit examines the evidence and consequences of global climate change, local and global weather patterns, ecosystem interactions, population factors, and nutrient cycles.) Force and Motion in Our World (this unit explores motion related technologies, observe and describe the motion of everyday objects, investigate the relationship among displacement, time, and velocity, and acceleration for objects that undergo simple linear motion and accelerated motion, effect of forces in one and two dimentions). Chemical Reactions (Explores: rates of chemical reactions, writing chemical formulas and equations, types of chemical reactions). Career Investigation: To investigate career paths related to science.
Science 9	<b>Prerequisite:</b> None In this course, students will study: Life Science (reproduction and human development); Physical Science (atoms and elements); Physical Science (characteristics of electricity) and Earth and Space Science (exploring our universe).

Social Studies 9	<b>Prerequisite:</b> None Students will examine the local, indigenous, and global interactions and interdependence of individuals, societies, cultures, and nations and analyze the dynamic relationships of people with land, environments, events, and ideas as they have affected the past, shape the present, and influence the future. They will investigate the processes and structures of power and authority, and the implications for individuals, communities, and nations. and examine various worldviews about the use and distribution of resources and wealth in relation to the needs of individuals, communities, nations, and the natural environment and contribute to sustainable development.
Visual Art 9	
	<b>Prerequisite:</b> None In grade 9 art students will examine how artists get ideas and how they use and transform these ideas when creating works of art. They explore different materials and techniques such as drawing, painting, sculpture and clay work. This will be a fun introduction to working in the Art room.
Visual Art 10	<b>Prerequisite:</b> None This course introduces the student to materials, techniques and art history for creative design, drawing, painting, sculpture and collage
Visual Art 20	<b>Recommended:</b> Visual Art 10 or permission In Visual Art 20, more advanced techniques in drawing, painting, collage, sculpture and design are explored. The study of art history centers on contemporary art styles.
Visual Art 30	<b>Recommended:</b> Visual Art 20 In Visual Art 30, advanced techniques in drawing, painting, collage, sculpture and design are explored. The study of art history centers on visual arts in Canada.
Visual Art 30 AP	<b>Prerequisite:</b> Art 20 Students produce a portfolio that is made up of 12 artworks that are a concentration (a series of works organized around a compelling visual drawing), 12 artworks that exhibit breadth (works that demonstrate a variety of concepts, media, and approaches) and 5 quality artworks. (works that excel in concept, composition, and execution). AP Studio Art students submit their portfolio in May and it is critiqued by college, university, and high school art instructors. Students who receive a score of 3 and higher (out of 5) in all three areas of their portfolios will receive three credit units of post-secondary work from participating universities and colleges. Students who enroll in AP Art must attend Art workshops offered throughout the year and enroll in Art 30. Students may enroll in drawing 2D design or sculpture portfolios.
Welding 10	<b>Prerequisite:</b> None Students will work in three major areas: oxy-acetylene welding, electric arc welding, and M.I.G. (Metallic Inert Gas). Students will learn safety and the proper use of equipment prior to the commencement of welding. They will perform arc welds, oxy-acetylene welds, and M.I.G. welds. Upon the completion of the compulsory sections, they will spend their remaining time working on student-oriented or teacher-directed projects. Upon successful completion of this course students will e able to apply 100 hours toward apprenticeship in the welding trade
Welding 20	<b>Prerequisite:</b> Welding 10, Industrial Arts 10 and Industrial Arts 20 or permission of teacher Safety, welding terminology, and oxy-acetylene cutting in addition to an increased competency in the use of electric arc, M.I.G. (Metallic Inert Gas). Upon completion of the compulsory sections, students will spend their remaining time designing and fabricating a project of their choosing or teacher-directed projects.
Welding A 30	<b>Prerequisite:</b> Welding 20 Industrial Arts 10 and Industrial Arts 20 or permission of teacher. Safety, welding terminology, and oxyacetylene cutting in addition to an increased competency in the use of electric arc, M.I.G. (Metallic Inert Gas), and T.I.G. (Tungsten Inert Gas) will be the emphasis. Upon completion of the compulsory sections, students will spend their remaining time designing and fabricating a project of their choosing or teacher-directed projects. Students will pay for their own projects. Upon successful completion of this course students will be able to apply 100 hours toward apprecticeship in the wedling trade.

Wellness 10	<b>Prerequisite:</b> This program provides an integrated approach to the issues of lifetime recreational activity and health. An emphasis will be placed on supplementing regular activities with lifetime/outdoor recreational opportunities not traditionally covered by high school athletics.
Workpl and Apprent Math 10	<b>Prerequisite:</b> Mathematics 9 This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include algebra, geometry, measurement, number, statistics and probability.
Workpl and Apprent Math 20	<b>Prerequisite:</b> Apprenticeship and Workplace Mathematics 10 This pathway is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into the major of trades and for direct entry into the work force.
Workpl and Apprent Math 30	<b>Prerequisite:</b> Workplace and Apprenticeship Math 20 This pathway is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into the major of trades and for direct entry into the work force.