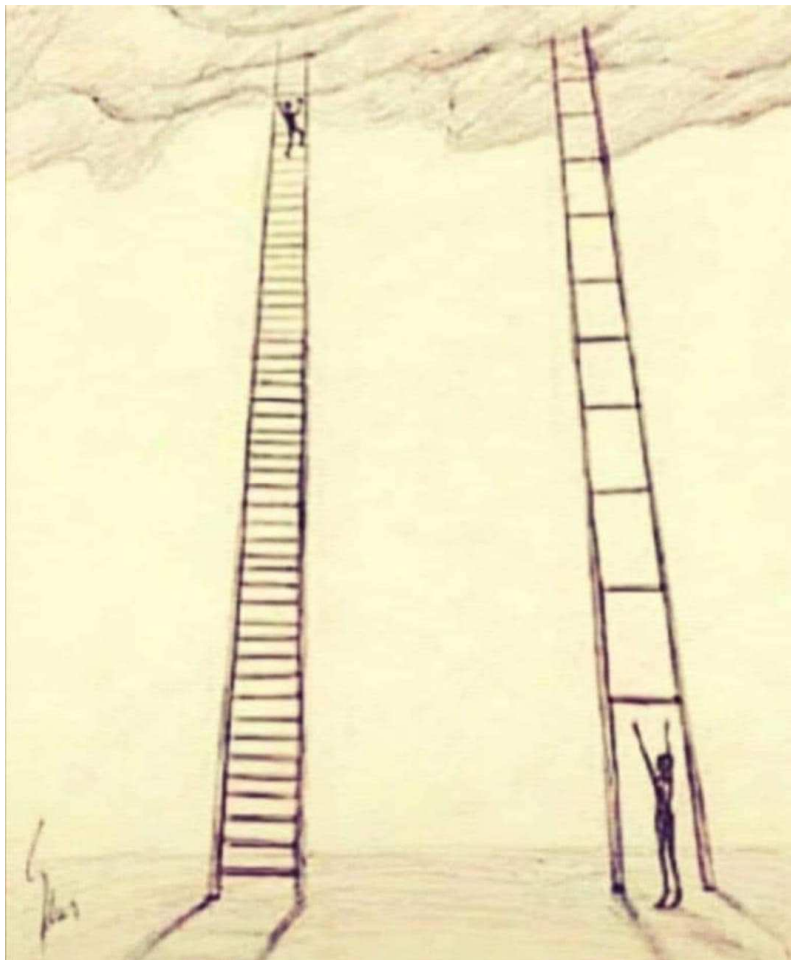


ELMWOOD HIGH SCHOOL

COURSE HANDBOOK

2022-2023



The Importance of Small Steps

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Graduation Credit Requirements

Senior Years

Maximum 30 Credits

Grade 9

Compulsory Subject Areas 5 credits

Language Arts (English)	1
Mathematics	1
Science	1
Social Studies	1
Physical Education	1

Grade 10

Compulsory Subject Areas 5 credits

Language Arts (English)	1
Mathematics	1
Science	1
Geography	1
Physical Education	1

Grade 11

Compulsory Subject Areas 5 credits

Language Arts (English C)	1
Mathematics	1
History	1
Physical Education	1
Electives at 3G or 3S	1

Grade 12

Compulsory Subject Areas 5 Credits

Language Arts (English Comp.)	1
Mathematics	1
Physical Education	1
Electives at 4G or 4S	2

Optional Credits

10 credits from subject areas such as:

- Language Arts (additional)
- Mathematics (additional)
- Sciences (additional)
- Social Studies (additional)
- Other Languages (Special Language Credit)
- The Arts (Visual Arts, Music, Drama and Dance)
- Life Work Plan
- Technology Education (Home Economics and Industrial Arts)
- Others as initiated by the school (Law, Psychology, etc.)
- Volunteer SIP (1 credit only)

****These are graduation requirements only, not post-secondary requirements.***

Total 20 + 10 = 30

The road to graduation is 30 credits. Choose your courses wisely and apply yourself so that you open up as many doors as possible to your future path. On your journey, I hope you are able to take advantage of the many opportunities that are available at EHS so that you expand your horizons and discover interests that may last a lifetime.

You are also welcome to take advantage of the many supports offered and contribute positively to your school and your community. It is the positive things you accomplish that fare you well on your future journeys.

I would like to thank the staff for their efforts to provide a tremendous range of opportunities that are offered over the school year.

I wish you all the best in the upcoming year and every so often think about *“What have I done today, to reach my dream tomorrow?”* You are in charge of your life. Be healthy in mind, body and spirit.

Mike Babb

Proud to be the Principal of Elmwood High School

Heart + Mind + Effort = Success

ENGLISH LANGUAGE ARTS

The general learning outcomes of grade 9-12 English Language Arts:

- Explore thoughts, ideas, feeling and experiences
- Comprehend and respond personally and critically to oral, literary and media sources
- Manage ideas and information
- Enhance the clarity and artistry of communication
- Celebrate and build community

Elmwood Compulsory English Courses

Course Name	Course Code
English 10F	ENGR1F
English 20F	ENGR2F
English 30S	ENGC3S
English 40S	ENGC4S
English Transactional 40S	ENGT4S



ENGLISH LANGUAGE ARTS COURSES AND DESCRIPTION

Course Name: English 10F

Prerequisite: None

Course Description:

This course will offer students a broad range of language experiences using a variety of language forms for personal, social, and academic needs. A major emphasis on inquiry and critical thinking will be used to foster reflective learners.

Students will engage in thematic units which include short stories, poetry, personal and formal essay writing, a Shakespearean play, Holocaust Human Rights unit, novels, and various projects.

This course includes both a Mid-term and a Final Exam.

Course Name: English 20F

Prerequisite: English 10F

Course Description:

This course is intended to foster a greater awareness of the relationships between language, audience, and purpose in various contexts.

Students will engage in thematic units which may include short stories, poetry, newspaper and magazine articles, novels, a Shakespearean play, Aboriginal Human Rights unit, personal and formal essay writing, and various projects.

This course includes a Final Exam which accounts for 25% of the final grade.

Course Name: English Comprehensive 30S

Prerequisite: English 20F

Course Description:

This course is intended to provide a balance of literary and transactional materials.

Students will engage in thematic units which may include memoirs, short stories, poetry, speeches, newspaper and magazine articles, visual literacy, scripts, novels and a Shakespearean Play.

This course includes a Final Exam which accounts for 25% of the final grade.

Course Name: English Comprehensive 40S

Prerequisite: English Comprehensive 30S

Course Description:

Students will engage in thematic units which include short stories, poetry, magazine and newspaper articles, speeches, novels, business correspondence, etc.

Students will develop a quality Career Portfolio and successfully complete an Exit Interview as part of this course.

This course includes a Provincial Standards Assessment which accounts for 30% of the final grade.

NOTE:

At Elmwood, this is the **MANDATORY** grade 12 English credit.

Students may graduate with **English Comprehensive 40S** as their grade 12 ELA credit. However, students should check entrance requirements for Red River College or Universities to determine if a second grade 12 ELA credit is required.

MATHEMATICS

Pathways:

Pre-Calculus Mathematics

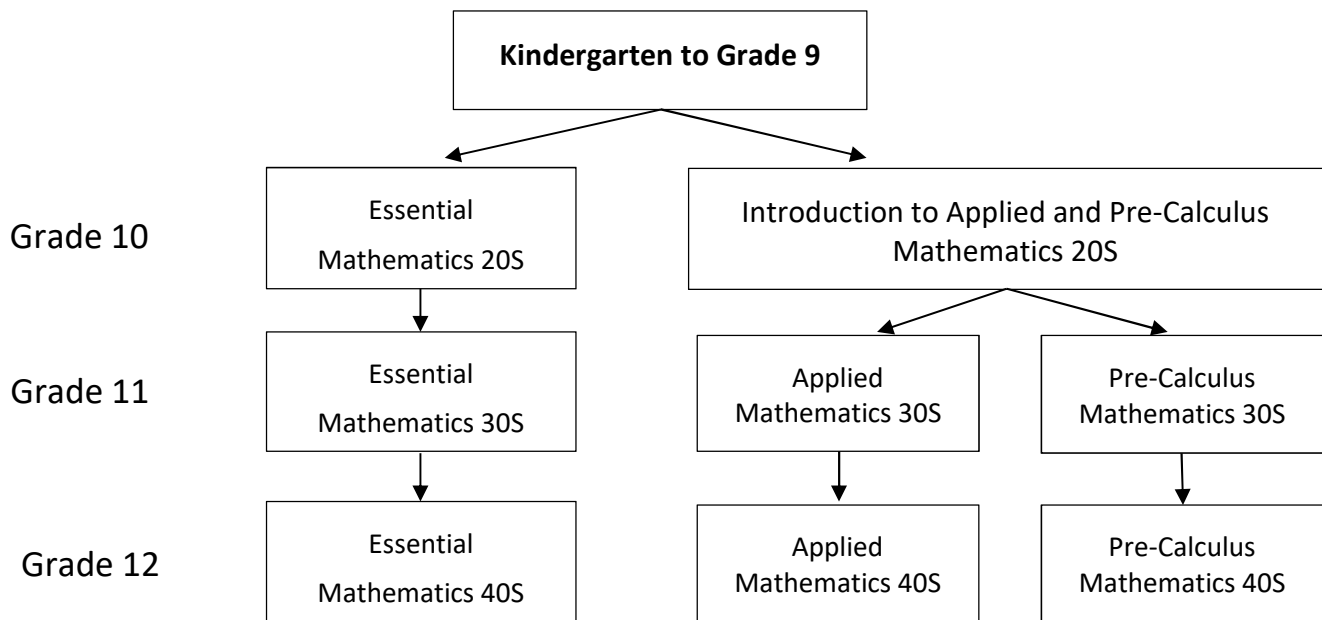
This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Note some faculties require a minimum grade in the Pre-Calculus 40S course for admission.

Applied Mathematics

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. A graphing calculator is recommended for all Applied Mathematics courses.

Essential Mathematics

This pathway is designed for students who are not intending to pursue math-related studies after graduation. These courses meet the requirements for high school graduation and for general admission to most post secondary institutions.



Elmwood Math Courses

Course Name	Course Code	Course Name	Course Code
Mathematics 10F	MATR1F	Pre-Calculus Mathematics 30s	PCMR3S
Essential Mathematics 20S	ESMR2S	Essential Mathematics 40S	ESMR4S
Intro to Applied Math & Pre-Cal 20S	IAPR2S	Applied Mathematics 40S	APMR4S
Essential Mathematics 30S	ESMR3S	Pre-Calculus Mathematics 40S	PCMR4S
Applied Mathematics 30S	APMR3S	Calculus 45S/Advance Math 45S	CALR4S/ADMR4S

Note: Student must choose at least one of the Grade level Math Courses

MATHEMATICS COURSES AND DESCRIPTION

Course Name: Mathematics 10F

Prerequisite: None

Choice: Essential Math or Pre-Cal/Applied Math Pathways

Course Description:

This course develops the foundational math skills that are needed to continue studying math throughout high school. Students will focus on areas such as statistics, number sense, powers, polynomials, linear relations and geometry.

Problem solving, communication, reasoning, and mental math are some of the themes that students will use when learning each unit during the year.

Course Name: Essential Mathematics 20S

Prerequisite: Mathematics 10F

Course Description:

This course focuses on consumer applications, problem solving, decision making and spatial sense. Students will be engaged in a variety of topics including: personal finance, trigonometry, consumer decisions, 2-D geometry, measurement, angle construction, and analysis of games and numbers.

This course is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields.

Course Name: Introduction to Applied and Pre-Calculus Mathematics 20S

Prerequisite: Mathematics 10F (A minimum grade of 70% in Mathematics 10F is strongly recommended)

Course Description:

This course is intended for students considering post-secondary studies that require a math pre-requisite. This course provides students with the mathematical understanding and critical-thinking skills that have been identified for specific post-secondary programs of study.

The topics studied form the foundation for topics to be studied in both Grade 11 Applied Mathematics and Grade 11 Pre-calculus Mathematics. Components of the curriculum are both context driven and algebraic in nature.

Course Name: Essential Mathematics 30S

Prerequisite: Essential Mathematics 20S & Introduction to Applied & Pre-Calculus 20S

Course Description:

In this course, students will build on the knowledge and skills gained in Essential Math 20S. Students will focus on topics in interest and credit, 3-D geometry, statistics, managing money, relations and patterns, trigonometry, and design modelling. This course will further develop an understanding of consumer applications, problem solving, decision making and spatial sense.

This course is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields.

Course Name: Applied Mathematics 30S

Prerequisite: Introduction to Applied and Pre-Calculus Mathematics 20S (A minimum grade of 65% in Introduction to Applied and Pre-Calculus Mathematics 20S is strongly recommended)

Course Description:

Grade 11 Applied Mathematics is intended for students considering post-secondary studies that do not require a study of theoretical calculus. It is context driven and promotes the learning of numerical and geometrical problem-solving techniques as they relate to the world around us. It builds upon the foundation knowledge and skills from Grade 10 Introduction to Applied and Pre-Calculus Mathematics and builds a foundation for Grade 12 Applied Mathematics.

Technology is an integral part of both learning and assessment in Applied Mathematics. Graphing calculators, spreadsheets or other computer software will be used by students for mathematical explorations, modelling and problem solving.

Course Name: Pre-Calculus Mathematics 30S

Prerequisite: Applied and Pre-Calculus Mathematics 20S (A minimum grade of 70% in Introduction to Pre-Calculus Mathematics is strongly recommended)

Course Description:

Grade 11 Pre-Calculus Mathematics is designed for students who intend to study calculus and related mathematics as part of post-secondary education. It builds on the topics studied in Grade 10 Introduction to Applied and Pre-Calculus Mathematics and provides background knowledge and skills for Grade 12 Pre-Calculus Mathematics.

The course comprises a high-level study of theoretical mathematics with an emphasis on problem solving and mental mathematics. The topics include study of algebra, quadratic functions, reciprocal functions and trigonometry.

Course Name: Essential Mathematics 40S

Prerequisite: Essential Mathematics 30s

Course Description:

In this course, students will build on the knowledge and skills gained while studying Essential Mathematics 30S. Students will put to use many of the skills that they have already learned to solve problems and do basic arithmetic operations. This course is aimed to develop the skills, ideas, and confidence that is needed to make decisions and solve problems related to consumer applications of mathematics. Students will cover units in home finance, geometry and trigonometry, business finance, probability, vehicle finance, statistics and precision measurement.

This course is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields.

Course Name: Applied Mathematics 40S

Prerequisite: Applied Mathematics 30S (A minimum grade of 65% in Applied Mathematics 30S is strongly recommended)

Course Description:

Grade 12 Applied Mathematics 40S intended for students considering post-secondary studies that don't require a study of theoretical calculus. It is context driven, promotes the learning of numerical and geometrical problem solving techniques as they relate to the world around us.

Technology is an integral part of both learning and assessment in Applied Mathematics. Graphing calculators, spreadsheets or other computer software will be used by students for mathematical explorations, modelling, and problem solving.

Course Name: Pre-Calculus Mathematics 40S

Prerequisite: Pre-Calculus Mathematics 30S (A minimum grade of 70% in Pre-Calculus Mathematics is strongly recommended)

Course Description:

Grade 12 Pre-calculus Mathematics 40S is designed for students who intend to study calculus and related mathematics as part of post-secondary education. It builds on the topics studied in Grade 11 Pre-Calculus Mathematics and provides background knowledge and skills for the study of calculus in post-secondary institutions.

The course comprises a high-level study of theoretical mathematics with an emphasis on problem solving and mental mathematics. The topics include study of transformations of functions, trigonometric functions, exponential functions, logarithmic functions, polynomial functions, radical functions, rational functions, and the binomial theorem.

Course Name: Calculus 45S/ Advance Math 45S

Prerequisite: Pre-Calculus Mathematics 40S

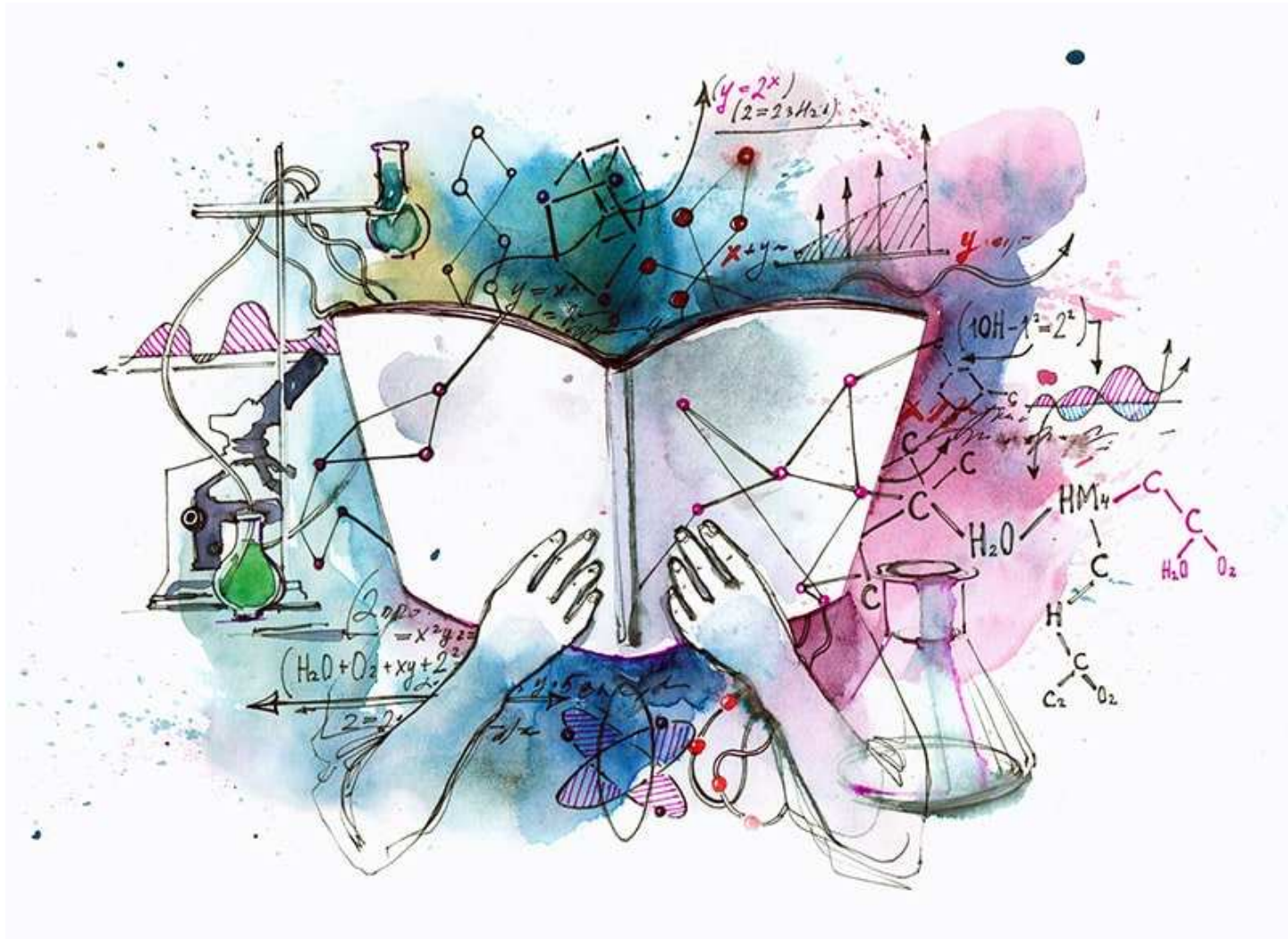
Course Description:

This course combines two half courses: Introduction to Calculus 45S (CALR4S) and Advanced Mathematics 45S (ADMR4S). The curriculum for the two courses is covered concurrently so students must register for both 1/2 credits. It covers introductory topics for university Calculus (limits, derivatives, and integrals), as well as other first year university math courses (number theory, linear algebra, and statistics). This course is highly recommended (although not a University entry requirement) for students who plan to take Mathematics at the University level.

SCIENCE

Elmwood Science Courses

Course Name	Course Code	Course Name	Course Code
Science 10F	SCIR1F	Current Topics in Science 30S	CTSR3S
Science 20F	SCIR2F	Physics 30S	PHYR3S
Science Enriched 20F	SCIE2F	Biology 40S	BIOR4S
Biology 30S	BIOR3S	Chemistry 40S	CHER4S
Chemistry 30S	CHER3S	Interdisciplinary Topics in Science 40S	INSR4S
Current Environmental Topics in Science 30s	CTSE3S	Physics 40S	PHYR4S
<i>School-Initiated Science Courses</i>			
Envirothon 11G	EVHY1G	Envirothon 31G	ENVHY3G
Envirothon 21G	EVHY2G	Envirothon 41G	ENVHY4G



SCIENCE COURSES AND DESCRIPTION

Course Name: Science 10F

Prerequisite: None

Course Description:

General Science 10S is designed to provide students with a broad understanding of the scientific method and general concepts in Science. Students will develop scientific literacy and critical thinking skills while practicing hands-on scientific techniques. Students will gain knowledge and experience studying four different scientific fields:

- Basics for all life in the unit on reproduction
 - Fabric of the universe in the atoms unit
 - Fundamentals of electricity that fuels our modern world
 - Voyage through outer space in the astronomy unit
-

Course Name: Science 20F

Prerequisite: Science 10F

Course Description:

Grade 10 Science covers four major areas of Science: specifically Biology, Chemistry, Physics and the Earth Sciences.

- **Biology** - Study the area of ecology, elements cycle within the ecosystem, the effects of toxins on our environment, and population dynamics.
- **Chemistry** - Investigate the periodic table of elements and their properties. Laboratory investigations will examine five different types of reactions and work with acids and bases.
- **Physics** - Study Newton's Laws of Motion and how they relate to the movement of vehicles in traffic.
- **Earth Sciences** - Investigate dynamics of weather and the conditions Worldwide.

After successful completion, students interested in pursuing post-secondary science, may choose from Biology, Chemistry or Physics at the grade 11 and 12 levels.

Course Name: Science Enrichment 20F

Prerequisite: None (Science 10F with a minimum grade of 70% is strongly recommended)

Course Description:

The grade 10 science enrichment course is designed for students interested in pursuing higher level science in grade 11 and 12 as well as post-secondary science. Grade 10 Enrichment Science covers four major areas of Science: Biology, Chemistry, Physics and the Earth Sciences.

After successful completion of Grade 10 Science, students interested in pursuing post-secondary science, may choose from Biology, Chemistry and/or Physics at the grade 11 and 12 levels.

Course Name: Biology 30S

Prerequisite: Science 20F

Course Description:

This course will give students an insight into the inner workings of the human body. A general study of the human body is presented, highlighting the basic anatomy and physiology of the individual organ systems. The first section looks at the biochemistry behind the processes that make the body run. The systems of the body: digestive, transport, respiratory, excretory, nervous, endocrine, skin, muscular, and skeletal.

Classroom lecture is supported by a laboratory program that will include examinations. Evaluation is accomplished by a number of methods: presentations, dissections, peer-evaluations, self-evaluations projects, models, unit tests, quizzes (word cycle) and poster presentations.

Course Name: Chemistry 30S

Prerequisite: Science 20F or Science Enrichment 20F & Intro to Applied/Pre-Calculus 20S

Course Description:

Grade 11 Chemistry is a course designed for those interested in pursuing a career related to science. Students will develop an understanding of the basic principles and concepts of Physical Science. The topics covered are:

- Elements and the Periodic Table
 - Chemical Nomenclature
 - The Mole, Chemical Reactions and Stoichiometry
 - Gases, Kinetic Molecular Theory, Pressure, Gas Laws, Solutions
 - Organic Chemistry
-

Course Name: Physics 30S

Prerequisite: Science 20F or Science Enrichment 20F & Intro to Applied/Pre-Calculus 20S

Course Description:

Physics is the study of the mechanics of the universe. From the infinite expanses of space to the microscopic systems of the atoms this course takes you through the known to the unknown. If you are someone who likes to look at the world and ponder how, this course is for you. Physics 30S starts with a look at topics like Sound, Light, Gravity, Magnets, Electromagnetism, Forces and Motion. We will spend a portion of our class time using laboratory equipment and simulators. We also have a design competition in each course.

Course Name: Biology 40S

Prerequisite: Science 20F

Course Description:

Grade 12 Biology is all about evolution. How did life start and how did it change over time to give us the amazing diversity that we see today.

This course starts by looking at how physical traits are passed from one generation to the next, the biochemical basis of heredity and the structure of DNA, Mechanisms of evolution are then examined, and how they have worked over thousands of generations to produce changes in species. The final section looks at the rich diversity of life on this planet, with an emphasis of how it's related to each other.

The laboratory portion of the course gives students hands-on experience using the techniques of a genetic engineering lab, and will include dissections so that they may observe both the differences and the similarities between species.

Course Name: Chemistry 40S

Prerequisite: Chemistry 30S

Course Description:

Grade 12 Chemistry is a course designed for those interested in pursuing a career related to science. Students will develop an understanding of the basic principles and concepts of Physical Science, develop critical-thinking and problem-solving abilities, develop the skills and understand the processes of Science. The topics covered are:

- The Quantum Model, Bonding and Periodicity
 - Chemical Kinetics and Equilibrium
 - Acids and Bases, Solubility Equilibrium
 - Electrochemistry
 - Students will be expected to complete a laboratory component to develop good laboratory skills and techniques
-

Course Name: Physics 40S

Prerequisite: Physics 30S

Course Description:

Physics is the study of the mechanics of the universe. From the infinite expanses of space to the microscopic systems of the atoms this course takes you through the known to the unknown. If you are someone who likes to look at the world and ponder how, this course is for you. We look at Electricity, Medical Instruments, and a deeper look at the Dynamics of Forces and a breakdown of Multi-Dimensional Motion. We will spend a portion of our class time using laboratory equipment and simulators. We also have a design competition in each course.

Course Name: Current Topics in Science 30S

Prerequisite: None (Science 20F is strongly recommended)

Course Description:

This a **project based course** that integrates the principles of Science, Technology, Society, and Environment. Topics include but are not limited to forensics, biotechnology, space exploration, sport science, medical and health technology, and sustainable development using an interdisciplinary approach.

Students will use their acquired knowledge in a chosen area of interest to conduct their own research and action project. Further development of laboratory skills and an understanding of the role of science in daily life are also fostered in this course.

Course Name: Interdisciplinary Topics in the Sciences 40S

Prerequisite: None (Science 20F is strongly recommended)

Course Description:

This is a project-based course that integrates the principles of Science, Technology, Society and Environment. Topics include, but are not limited to forensics, biotechnology, space exploration, sport science, medical and health technology, and sustainable development using an interdisciplinary approach.

Students will use their acquired knowledge in a chosen area of interest to conduct their own research and action project. Further development of laboratory skills and an understanding of the role of science in daily life are also fostered in this course.

School-Initiated Science Courses

Course Name: Envirothon 10G

Prerequisite: None

Course Description:

The objective of this course is to provide land-based science education at a Grade 9 level. The Envirothon is a high-level high school competition based on hands-on studies in Native Plants & Forestry, Soils & Land Use, Water & Aquatic Systems, and Wildlife & Wildlife Management. The Manitoba Envirothon is an annual event which draws students from across the province to learn from professionals in the field. This unique combination of environmental science, sustainability and advocacy, and traditional knowledge creates a body of study in which learners can expand their science education and become a globally responsible citizen.

Course Name: Envirothon 20G

Prerequisite: None

Course Description:

The objective of this course is to provide land-based science education at a Grade 10 level. The Envirothon is a high-level high school competition based on hands-on studies in Native Plants & Forestry, Soils & Land Use, Water & Aquatic Systems, and Wildlife & Wildlife Management. The Manitoba Envirothon is an annual event which draws students from across the province to learn from professionals in the field. This unique combination of environmental science, sustainability and advocacy, and traditional knowledge creates a body of study in which learners can expand their science education and become a globally responsible citizen. Students who have received a previous credit for the Envirothon course are permitted to take the course with a focus on a different topic from the previous year.

Course Name: Envirothon 30G

Prerequisite: None

Course Description:

The objective of this course is to provide land-based science education at a Grade 11 level. The Envirothon is a high-level high school competition based on hands-on studies in Native Plants & Forestry, Soils & Land Use, Water & Aquatic Systems, and Wildlife & Wildlife Management. The Manitoba Envirothon is an annual event which draws students from across the province to learn from professionals in the field. This unique combination of environmental science, sustainability and advocacy, and traditional knowledge creates a body of study in which learners can expand their science education and become a globally responsible citizen. Students who have received a previous credit for the Envirothon course are permitted to take the course with a focus on a different topic from the previous year.

Course Name: Envirothon 40G

Prerequisite: None

Course Description:

The objective of this course is to provide land-based science education at a Grade 12 level. The Envirothon is a high-level high school competition based on hands-on studies in Native Plants & Forestry, Soils & Land Use, Water & Aquatic Systems, and Wildlife & Wildlife Management. The Manitoba Envirothon is an annual event which draws students from across the province to learn from professionals in the field. This unique combination of environmental science, sustainability and advocacy, and traditional knowledge creates a body of study in which learners can expand their science education and become a globally responsible citizen. Students who have received a previous credit for the Envirothon course are permitted to take the course with a focus on a different topic from the previous year.

SOCIAL STUDIES

Elmwood Social Studies Courses

Course Name	Course Code	Course Name	Course Code
Social Studies 10F	SOSR1F	Global Issues 40S	GLIR4S
Geography 21 st Century 20F	GEOR2F	Law 40S	LAWR4S
History of Canada 30F	HISR3F	Psychology 40S	PSYR4S
Current Topics in First Nations, Metis, Inuit Studies 40S	CTIR4S		
School-Initiated Program			
Course Name: Cultural Exploration 11G/21G/31G/41G		Course Codes: CUEZ1G/CUEZ2G/CUEZ3G/CUEZ4G	



SOCIAL STUDIES COURSES AND DESCRIPTION

Course Name: Social Studies 10F

Prerequisite: None

Course Description:

Grade 9 students' focus on the opportunities and challenges at the core of Canada's contemporary plurality. They begin with an overview of Canada today, including its demographics, geography and political organization. They examine the evolving stories of interaction among the people of Canada and the influence of the land on the development of Canada. They explore the historical and contemporary complexities of citizenship and identity.

Students are given opportunities to explore how they may become involved in Canadian issues. Through this inquiry, they are enabled to become informed decision makers actively involved in their local, national and global communities.

Course Name: Geography 21st Century 20F

Prerequisite: Social Studies 10F

Course Description:

In Geographic Issues of the 21st Century, students explore the nature of geography and develop skills related to geographical thinking. Students use the methods and tools of geography, including Geographic Information Systems (GIS), to examine issues and problems and to propose solutions. They study concepts related to ownership and development of natural resources, production and distribution of food, development of industry, trade and increasing urbanization. Students consider these issues in the context of Canada, North America and the world.

Through their study, students become aware of the importance of the environment, stewardship and sustainable development, as well as the social, political and economic implications of their personal choices.

Course Name: History of Canada 30F

Prerequisite: Geography 21st Century 20F

Course Description:

This course supports citizenship as a core concept and engages students in historical inquiry. The students will focus on the history of Canada from pre-contact times to the present.

This curriculum is organized around five themes:

- First Nations
 - Métis and Inuit Peoples
 - French-English Relations
 - Identity, Diversity and Citizenship
 - Governance and Economics: Canada and the World.
-

Course Name: Current Topics in First Nations, Metis, and Inuit Studies 40S

Prerequisite: None (History of Canada 30F is recommended)

Course Description:

This course offers students an opportunity to: enhance their understanding of First Nations, Métis and Inuit cultures in Manitoba and across Canada; develop knowledge of the history of First Peoples in order to better understand the present; develop an understanding that First Peoples are an integral part of Canadian society; and, recognize the ongoing role of First Nations, Métis and Inuit peoples in shaping Canadian identity. Students will explore topics such as the impact of colonization, Aboriginal worldviews, racism and the role of media, treaties, the Indian Act, social justice, education, health, law and environmental issues.

Course Name: Global Issues 40S

Prerequisite: None (History of Canada 30F is strongly recommended)

Course Description:

Students conduct inquiry into the social, political, environmental and economic impact of a variety of contemporary and emerging issues in the world. This course is based on the principles of active democratic citizenship, ecological literacy, critical media literacy, and ethical decision-making and consolidates learning across the disciplines to empower students as agents of change for a sustainable and equitable future. A component of the course is the planning and implementation of a community-based, action-research project.

Course Name: Cultural Exploration 11G/21G/31G/41G (School-Initiated Program)

Prerequisite: None

Course Description:

Participate in a cultural exploration activity. A minimum of 110 hours for a full credit or 55 hours for a one-half credit, with the community group or individual, keeping track of their hours.

Understand that a student may earn a maximum of only one (1) credit over the entire senior years program using the Cultural Exploration School Initiated Program (SIP) credit opportunity. This credit can be at the 11G, 21G, 31G or 41G level and can be applied to the 30 credits required for graduation purposes.

Whether the activity will be recognized for a Cultural Exploration SIP credit and the level of credit that will be recognized, will be based upon the level of the skills and knowledge obtained by the student in the cultural exploration activity and evaluated by the school prior to the commencement of the activity and confirmed by the school upon completion of the Cultural Exploration SIP.

Course Name: Law 40S

Prerequisite: None (History of Canada 30F is strongly recommended)

Course Description:

This course is designed to develop an understanding of the legal system, its terms and documents and how the law relates to personal, business and community life

Major emphasis is placed on the application of textbook information to real life situations rather than the memorization of specific statutes.

Tours of the court will be arranged.

Course Name: Psychology 40S

Prerequisite: None (History of Canada 30F is strongly recommended)

Course Description:

Psychology is the scientific study of behavior and mental processes. It uses the scientific method to discover ways of understanding the complexities of human thought and behavior, as well as differences among people.

This course exposes students to the major topics found in the field of psychology. It also emphasizes the issues that are of particular direct interest and relevance to students completing high school.

PHYSICAL EDUCATION COURSES AND DESCRIPTION

Course Name: Physical and Health Education 10F

Prerequisite: None

Course Description:

This is a full-credit COMPULSORY course necessary for graduation.

Students in grade 9 will be given a numeric grade based on how well they meet the Learning Outcomes. The aim of our program is to provide students with planned and balanced programming to develop the knowledge, skills and attitudes for physically active and healthy lifestyles.

Course Name: Physical and Health Education 20F

Prerequisite: Physical and Health Education 10F

Course Description:

This is a full-credit COMPULSORY course necessary for graduation. Students in grade 10 will be given a numeric grade based on how well they meet the Learning Outcomes. The aim of our program is to provide students with planned and balanced programming to develop the knowledge, skills and attitudes for physically active and healthy lifestyles.

Course Name: Physical and Health Education 30F

Prerequisite: Physical and Health Education 20F

Course Description:

This is a COMPULSORY course necessary for graduation.

At Elmwood High School, we are incorporating the 75/25 model. The core component is the “in class” material and constitutes 25% of the course. The physical activity practicum is 50% of the course, which requires the student to participate in a total of 85 hours of physical activity, 55 hours where your heart rate needs to be in the moderate to vigorous heart rate zone. The **flex component** completes the final 25% of the course.

Course Name: Physical and Health Education 40F

Prerequisite: Physical and Health Education 30F

Course Description:

This is a COMPULSORY course necessary for graduation.

At Elmwood High School, we are incorporating the 75/25 model. The core component is the “in class” material and constitutes 25% of the course. The physical activity practicum is 50% of the course, which requires the student to participate in a total of 85 hours of physical activity, 55 hours where your heart rate needs to be in the moderate to vigorous heart rate zone. The **flex component** completes the final 25% of the course.

OPTIONAL COURSES – THE ARTS

Visual Arts

Course Name	Course Code
Visual Arts 15S	VAHB1S
Visual Arts 20S	VIAR2S
Visual Arts 30S	VIAR3S
Visual Arts 40S	VIAR4S

Concert Band

Course Name	Course Code
Concert Band 10S	MCBR1S
Concert Band 20S	MCBR2S
Concert Band 30S	MCBR3S
Concert Band 40S	MCBR4S

Concert Choir

Course Name	Course Code
Concert Choir 10S	MCCR1S
Concert Choir 15S <i>(Concert Choir 10S - Half Credit)</i>	MCCH1S
Concert Choir 20S	MCCR2S
Concert Choir 25S <i>(Concert Choir 20S - Half Credit)</i>	MCCH2S
Concert Choir 30S	MCCR3S
Concert Choir 40S	MCCR4S

Dance

Course Name	Course Code
Dance 10S	DANR1S
Dance 20S	DANR2S
Dance 30S	DANR3S
Dance 40S	DANR4S

Drama

Course Name	Course Code
Dramatic Arts 15S (Half-Credit)	DAHB1S
Drama 20S	DAMR2S
Drama 30S	DAMR3S
Drama 40S	DAMR4S

Guitar

Course Name	Course Code
Guitar 10S	MGUR1S
Guitar 20S	MGUR2S
Guitar 30S	MGUR3S
Guitar 40S	MGUR4S

Jazz Band

Course Name	Course Code
Jazz Band 10S	MJBR1S
Jazz Band 20S	MJBR2S
Jazz Band 30S	MJBR3S
Jazz Band 40S	MJBR4S

Music Theatre

Course Name	Course Code
Musical Theatre 10S	DMTR1S
Musical Theatre 20S	DMTR2S
Musical Theatre 30S	DMTR3S
Musical Theatre 40S	DMTR4S

Piano

Course Name	Course Code
Piano Intro 20S	MPIR2S
Piano Intro 30S	MPIR3S
Piano Intro 40S	MPIR4S

THE ARTS OPTIONAL COURSES AND DESCRIPTION

Course Name: Visual Arts 15S

Prerequisite: None

Course Description:

This course has a student-centered approach. It focuses on ideas related to the students themselves and their environment. Students will have a chance to work with a variety of media and techniques, exploring and building their skills.

Course Name: Visual Arts 20S

Prerequisite: None (Visual Arts 15S is strongly recommended)

Course Description:

This course continues on some skill development, particularly in drawing and painting. We will study colour theory and the principles of art in order to support art making and art appreciation. Media will include drawing, painting, and various sculptural materials. Students will keep a sketchbook/idea journal.

Course Name: Visual Arts 30S

Prerequisite: None (Visual Arts 20S is strongly recommended)

Course Description:

This is a continuation of 20S, with introductions to some new media including stop-motion animation, and working with found objects and sculpture.

Course requirements include working with a variety of media, keeping a sketchbook and major studio projects. Understanding and use of the principles of art will be expected in student work.

Course Name: Visual Arts 40S

Prerequisite: None (Visual Arts 30S is strongly recommended)

Course Description:

Course requirements include working with a variety of media, keeping a sketchbook/idea journal, researching ideas and techniques, gallery visits and written reflections, guest artist workshops and major studio projects.

Students are expected to experiment with new media and explore art history in more depth. Understanding and use of the principles of art will be expected in student work. Students in grade 12 will develop portfolios suitable for use in applying to University or College Art programs. Students will be working more independently than in 30S.

Course Name: Concert Band 10S

Prerequisite: Grade 8 Band or previous private instruction on a wind, percussion or keyboard instrument

Course Description:

Course involves developing technical skills on a wind or percussion instrument through private practice, small group and large group rehearsals. Students will develop an understanding of different musical styles and a knowledge of theory appropriate to the grade level. **Performance and home practice is an expectation of this course.**

Course Name: Concert Band 20S

Prerequisite: Concert Band 10S or previous private instruction on a wind, percussion or keyboard instrument

Course Description:

Course involves developing technical skills on a wind or percussion instrument through private practice, small group and large group rehearsals. Students will develop an understanding of different musical styles and a knowledge of theory appropriate to the grade level. **Performance and home practice is an expectation of this course.**

Course Name: Concert Band 30S

Prerequisite: Concert Band 20S or previous private instruction on a wind, percussion or keyboard instrument

Course Description:

Course involves developing technical skills on a wind or percussion instrument through private practice, small group and large group rehearsals. Students will develop an understanding of different musical styles and a knowledge of theory appropriate to the grade level. **Performance and home practice is an expectation of this course.**

Course Name: Concert Band 40S

Prerequisite: Concert Band 30S or previous private instruction on a wind, percussion or keyboard instrument

Course Description:

Course involves developing technical skills on a wind or percussion instrument through private practice, small group and large group rehearsals. Students will develop an understanding of different musical styles and a knowledge of theory appropriate to the grade level. **Performance and home practice is an expectation of this course.**

Course Name: Concert Choir 10S

Prerequisite: None

Course Description:

This is a course where the students will explore all genres of music through study and performance. Basic theory, history and music appreciation are some of the topics covered, as well as, concert material preparation.

Performance is an expectation of the class.

Course Name: Concert Choir 20S

Prerequisite: None (Concert Choir 10S is strongly recommended)

Course Description:

This is a course where the students will explore all genres of music through study and performance. Basic theory, history and music appreciation are some of the topics covered, as well as, concert material preparation.

Performance is an expectation of the class.

Course Name: Concert Choir 30S

Prerequisite: None (Concert Choir 20S is strongly recommended)

Course Description:

This is a course where the students will explore all genres of music through study and performance. Basic theory, history and music appreciation are some of the topics covered, as well as, concert material preparation.

Performance is an expectation of the class.

Course Name: Concert Choir 40S

Prerequisite: None (Concert Choir 30S is strongly recommended)

Course Description:

This is a course where the students will explore all genres of music through study and performance. Basic theory, history and music appreciation are some of the topics covered, as well as, concert material preparation.

Performance is an expectation of the class.

Course Name: Dance 10S, 20S, 30S, 40S

Prerequisite: None

Course Description:

This course is designed to introduce the student to the basic fundamentals of dance. Students will apply the skills they have learned to performance opportunities. Performance etiquette is an essential part of this course.

Course Name: Drama 15S

Prerequisite: None

Course Description:

Drama at all four senior levels is based on the new Manitoba Drama Curriculum. It is an outcome-based course that draws upon skills, techniques, attitudes and performance-knowledge pulled from each “wing” of the “Arts Butterfly”.

This course emphasizes mutual respect, promptness and group responsibility through the use of improvisational techniques, scene/play analysis, and the group/individual rehearsal process. This gives students the opportunity to receive one-on-one instruction, which allows for immediate and personal feedback, which is essential to the developmental process of the actor’s craft.

As part of the class, students are expected to perform for peers, for the school and in the community e.g. participating in Elmwood’s annual Remembrance Day ceremony.

Course Name: Drama 20S

Prerequisite: None

Course Description:

This Drama course is based on the new Manitoba Arts Curriculum. At this level, students are expected to return to skills taught for each of the four “wings” of the new curriculum. The result will be an ever-increasing maturity of dramatic skills, knowledge of drama culture, and audience and participant etiquette. This course continues to refine these skills and builds upon them by emphasizing how they culminate in a finished product.

This course emphasizes mutual respect, promptness and group responsibility through the use of improvisational techniques, scene/play analysis, and group/individual rehearsal process.

As part of the class, students are expected to perform for peers, for the school and in the community. Students will help produce and may act in a major dramatic play at the end of the academic year. Students will also learn the rudiments of theatrical production such as Sound and Lighting Design, Stage Fighting, Costuming, Set Design/Construction as well as those of Promotion, Advertising and Front-of-House/Stage Management.

Course Name: Drama 30S

Prerequisite: None (Drama 20S is strongly recommended or successful audition for the teacher)

Course Description:

Drama 30S continues to build upon the basic dramatic skills learned at the 11G and 20S levels but now takes on the added emphasis of beginning to prepare students for the Theatre as a viable profession beyond their secondary and postsecondary training. With this in mind, students will continue to build upon the rudiments of their acting skills while also preparing a repertoire of materials for a possible theatrical résumé. This also includes working with local established actors, directors, playwrights and technicians. This course emphasizes mutual respect, promptness and group responsibility through the use of improvisational techniques, scene/play analysis and group/individual rehearsal process.

As part of the class, students are expected to perform for peers, for the school and in the community.

Course Name: Drama 40S

Prerequisite: None (Drama 30S is strongly recommended or successful audition for the teacher)

Course Description:

Drama Major 40S continues to develop and hone performance skills learned at the lower levels. It concentrates on developing students’ notions of various genres and styles as well as various theories of acting technique. An example of style and genre would be Chekhovian Theatre, Epic Theatre, Shakespearean, and Asian Theatre. Various acting techniques would include: Realism, Post-Realism and Brechtian Epic Theatre, etc. This course emphasizes mutual respect, promptness and group responsibility through the use of improvisational techniques, scene/play analysis and group/ individual rehearsal process.

As part of the class, students are expected to perform for peers, for the school and in the community. Students will help produce and may act in a major dramatic play at the end of the academic year.

Course Name: Guitar 10S, 20S , 30S, 40S

Prerequisite: None

Course Description:

This is a student directed class where students explore the fundamentals of music through their school supplied guitar. A perfect place to come and learn even if you have never touched a guitar or if you are the next Jimi Hendrix.

Course Name: Jazz Band 10S, 20S,30S, 40S

Prerequisite: Enrolled in the concert band in congruence with this course

Course Description: *Offered in non-school time*

Performance and understanding of different jazz styles with emphasis on improvisation. Technical and theoretical skills advancing with each grade level.

Performance and home practice is an expectation of this course.

Course Name: Musical Theatre 10S/20S/30S/40S

Prerequisite: None

Course Description:

This is a hands on class where we will learn about and DO the work required to put on a musical. Come learn about the theatre in a positive and creative environment with practical application skills and knowledge gained.

There are no pre-requirements for this class and no prior experience needed.

Course Name: Piano Intro 20S, 30S, 40S

Prerequisite: None

Course Description:

This is a student directed class where students explore the basics of music through the piano.

No home practice is required. A great place to be introduced to the basics of piano.

OPTIONAL COURSES – BUSINESS & INFORMATION TECHNOLOGY

Business Education Optional Courses

Course Name	Course Code	Course Name	Course Code
Lifeworks Exploration 10S	LWER1S	Topics and Trends in Business 40S	TTBR4S
Lifeworks Planning 20S	LWPR2S	Intro Tourism 30S	TOUR3S
Lifeworks Building 30S	LWBR3S	Sustainable Tourism 40S	TOUR4s
Lifeworks Transactional 40S	LWTR4S	Entrepreneurship	ENTR2S
Creative Promotions 20S	CRPR2S	Business Communications	BCOR3S
Retailing Perspectives 30S	RTPR3S	*Volunteer Credit (Inquire Guidance)	

Canadian Academy of Travel and Tourism

Intro Tourism 30S	TOUR3S	Lifeworks Planning 20S	LWPR2S
Sustainable Tourism 40S	TOUR4S	Lifeworks Transactional 40S	LWTR4S

The Canadian Academy of Travel and Tourism is a National program. Elmwood is one of 20 or so cities that offer it at the gold level. Students apply for this program at the end of their grade nine year and commit to it until they graduate. (3 year commitment). They acquire four credits; two which come from course work and projects, and two that come from their volunteer commitment.

All CATT students complete 220 hours of volunteerism to qualify for their Gold CATT Certificate. The certification is sent from the National CATT office in Ottawa.

For more information, please contact Guidance or Ms. Winger.

Information Communication Technology Optional Courses

Course Name	Course Code	Course Name	Course Code
Digital Film 25S	DFHR2S	Information & Communication Tech A	ICTA1F
Digital Pictures 25S	DPHR2S	Computer Science 20S	COSR2S
Web Design 35S	WDHR3S	Computer Science 30S	COSR3S
Broadcast Media 35S	BMHR3S	Computer Science 40S	COSR4S
Interactive Media 35S	IMHR3S		
Desktop Publishing 35S	DPHR3S		

Reading Optional Courses

Course Name	Couse Code
Reading Is Thinking* - any subject	RITR1S*
Reading Is Thinking* - any subject	RITR2S*
Reading Is Thinking* - any subject	RITR3S*

BUSINESS EDUCATION OPTIONAL COURSES AND DESCRIPTION

Course Name: Lifeworks Exploration 10S

Prerequisite: None

Course Description:

Life Works is a part of the Career Development Curricula. The curriculum is designed to connect school learning with workplace and labour market realities; with hopes that this connection will then contribute to increasing the number of students graduating from high school in Manitoba. At the grade 9 level teachers will focus on the following 5 units.

Unit 1: Personal Management

Unit 2: Career Exploration

Unit 3: Learning and Planning

Unit 4: Job Seeking and Job Maintenance

Unit 5: Career and Community Experiences

Students will also learn about Restorative Practices which is a model program used in the education field, the justice system and the work force.

Course Name: Lifeworks Exploration 20S

Prerequisite: None (Lifeworks 10S is strongly recommended)

Course Description:

Lifeworks 20S continues to strengthen and connect school learning with current workplace and labour market realities. These realities of the contemporary workplace and career continue to evolve. Career development is complex and multidimensional. Students who register for this course will continue to develop their knowledge covered in the grade 9 curriculum.

Unit 1: Personal Management, Building and maintaining a positive self-image

Unit 2: Career Exploration, Finding the relationship between work and society

Unit 3: Learning and Planning, Making life and work enhancing decisions

Unit 4: Job Seeking and Job Maintenance, Securing and maintaining a job/career

Unit 5: Career and Community Experiences, Continue to develop their career portfolio

Course Name: Creative Promotions 20S

Prerequisite: None

Course Description:

This course helps students develop an understanding of promotional communication from both a theoretical and a practical approach. The course focuses on advertising strategies, direct marketing, personal selling, sales promotions, and public relations. Students will apply these concepts and their creativity to design a variety of promotional and advertising material.

Creative Promotions is designed for students who are looking to expand their business knowledge regarding communicating effectively and creatively.

Course Name: Retailing Perspectives 30S

Prerequisite: None

Course Description:

This course helps students gain an understanding of retailing from both a theoretical and a practical approach.

This course provides insight on the various types of retail establishments and forms of ownership. It emphasizes the retailing operations of both a physical and an online environment. Retailing Perspectives focuses on the financially sustainable strategies retailers use to appeal to consumers. This course is designed for students interested in managing or owning their own retailing establishment. It is, however, relevant to all students, since, as consumers, they experience retailing as part of their daily lives.

Course Name: Topics and Trends in Business 40s

Prerequisite: None

Course Description:

This course uses an inquiry-based learning model to allow students to explore current and/or emerging topics, trends, and opportunities related to business at a local, national, or global level. Students will design, recommend, and/or implement an action plan based on their inquiry findings. This course is designed to allow students to focus on issues about which they are passionate.

Course Name: Entrepreneurship 20S

Prerequisite: None

Course Description:

Join our team!

The Elmwood Supply Company is a student-led creative brand that specializes in community-based streetwear and custom accessories. Students will be part of building an ACTUAL business from the ground up covering day to day operations, social media marketing, clothing design and strategic planning.

Students begin by evaluating innovation, inventions, and innovative ideas. They learn the process of planning, marketing, and implementing a venture. This course is designed for students interested in business principles related to the ownership and management of a business.

The goal of launching this class is to not only provide students with an opportunity to develop a variety of employability skills while completing an assortment of challenging and engaging cross-curricular projects that raise awareness and address community needs. More importantly it would help students demonstrate their learning in a manner that crosses curriculums and allows them to create something tangible that can easily be shared in a real-world setting.

Course Name: Business Communications 30S

Prerequisite: None

Course Description:

It's time to get Podcasting!

In the digital age more and more businesses are heavily investing in podcasting and streaming. Being able to share your message professionally and creatively is becoming one of the most sought-after skills in the business world and there's no better way to learn than by doing.

This hands-on course focuses on communication skills and techniques that are essential in business with a focus on podcasting and streaming. Students will develop effective written, verbal, interpersonal, and visual communication skills. They will also learn to use current technologies to create communications that are clear, concise, and designed for business. Business Communications is designed for students interested in pursuing post-secondary studies in the business field. It is also a desirable course option for future entrepreneurs or any individual who wants to develop effective workplace communication skills.

INFORMATION TECHNOLOGY OPTIONAL COURSES AND DESCRIPTION

Course Name: Digital Films

Prerequisite: None

Course Description:

This course is offered in conjunction with Digital Pictures and must be taken together.

In the course students will learn the basics of digital filmmaking and editing. Through a series of projects students will learn various techniques for proper lighting, using a green screen, adding digital effects, how to edit and finalize films, and software such as Windows Movie Maker and Adobe Premiere.

Course Name: Digital Pictures 25S

Prerequisite: None

Course Description:

This course is offered in conjunction with Digital Film and must be taken together. In this course students will use digital photography to create a portfolio of original images. Students will learn how to use more advanced settings on a camera (such as aperture, ISO, and shutter speed) to create original images. Students will also learn techniques for editing images in programs like Paint.net and Adobe Photoshop.

It is expected that students be available periodically to photograph and document school events (sporting events, spirit week, etc.)

Course Name: Web Design 35S

Prerequisite: None

Course Description:

The purpose of this course is to provide students with the skills and knowledge to design, develop, and publish a simple website. Students will learn about copyright law and the need for established practices when creating websites. They will develop a visual prototype for a website and design a navigation plan for the website.

Using this information they will create a website with multiple pages, formatting, content objects and navigation. Prior knowledge of basic coding and word processing is suggested but not mandatory.

Course Name: Broadcast Media 35S

Prerequisite: None

Course Description:

This is a project based, non-slotted course, so students must be self-motivated to come in and work on their spares and free time. Students in this course will learn the basics of broadcast production including recording sound files, using sound effects, using video effects and creating their own production or media files. Students will be expected to create their own media projects based on their interests and expertise. Students should have prior knowledge of basic audio and film editing before taking this course.

Course Name: Interactive Media 35S

Prerequisite: None

Course Description:

This is a project based, non-slotted course so students must be self-motivated to come in and work on their spares and free time. The purpose of the course is to provide students with the skills and knowledge to create interactive media products that combine video, audio, and interactive components. Prior to taking the course, students should have skills in creating audio and video and an understanding of the media production process. Students will plan, develop, and publish interactive media following established standards and using a variety of tools and software.

Course Name: Desktop Publishing 355

Prerequisite: None

Course Description:

The purpose of the course is to provide students with the skills and knowledge to plan and create a variety of published print documents. Topics include planning and producing printed documents based on industry standards including: brochures, flyers, media inserts, posters, etc.), using appropriate language and tone for different audiences and accepting critiques of documents and making changes based on those critiques. Previous knowledge of word processing programs is encouraged but not mandatory.

Course Name: Information & Communication Technology A – 1F

Prerequisite: None

Course Description:

Information Communication Technology A is designed to give students the necessary knowledge, skills, and attitude to effectively and safely use computers in our modern, interconnected age. Topics include using graphic organizers and spreadsheets to organize information, analyzing media sources, solving problems related to digital information, basic computer coding, internet safety, copyright law, and website creation.

Course Name: Computer Science 20S

Prerequisite: None (Introduction to Applied & Pre-Calculus 20S is strongly recommended)

Course Description:

Welcome to the realm of Computer Science. It is the study of how to make computers perform tasks for us. From text messaging to 3D modeling, computers use simple concepts to perform complex tasks. We look at computers from a creators perspective, delving into the mechanics and ethics involved. In Computer Science 20S we study the basics of making computers do what we want them to do. Students will learn how computers perform their functions. They will be setting up simple programs and developing their own framework for programming. We will also look at the history of the computer and how current technology owes its creation to the old.

Course Name: Computer Science 30S

Prerequisite: None (Computer Science 20S is strongly recommended)

Course Description:

Computer Science 30S continues from 20S with a look at some more complex structures for programs. We start to dabble in other programming languages and look at the basics of object oriented coding.

We will also start our exploration on programming models for different games and using graphics in our programs.

Course Name: Computer Science 40S

Prerequisite: None (Computer Science 30S is strongly recommended)

Course Description:

Computer Science 40S continues with more advanced structures in programming. We will look at binary trees, linked lists, queues and other data sets. We will be cultivating a large framework for future programs. Time permitting, we will also look at the basics of “App” programming for mobile devices.

OPTIONAL COURSES – PRACTICAL ARTS

Electronics

Course Name	Course Code
Electronics 15G	ELHR1G
Electronics 20G	ELER2G
Electronics 30G	ELER3G
Electronics 40S	ELER4S

Family Studies

Course Name	Course Code
Family Studies 20S	FSTR2S
Family Studies 30S	FSTR3S
Family Studies 40S	FSTR4S

Food & Nutrition

Course Name	Course Code
Food & Nutrition 15S	FOHR1S
Food & Nutrition 20S	FNUR2S
Food & Nutrition 30S	FNUR3S
Food & Nutrition 40S	FNUR4S

Graphic Communications

Course Name	Course Code
Graphic Communication 15G	GRHR1G
Graphic Communication 20G	GRAR2G
Graphic Communication 30G	GRAR3G
Graphic Communication 40S	GRAR4S

Metal Work

Course Name	Course Code
Metalwork 20G	METR2G
Metalwork 30G	METR3G
Metalwork 40G	METR4G

Power Mechanics

Course Name	Course Code
Power Mechanic 15G	PMHR1G
Power Mechanic 20G	POMR2G
Power Mechanic 30G	POMR3G
Power Mechanic 40G	POMR4S

Textile Arts & Design

Course Name	Course Code
Textile Arts & Design 15S	TDHR1S
Textile Arts & Design 20S	TADR2S
Textile Arts & Design 30S	TADR3S
Textile Arts & Design 40S	TADR4S

Woodworking

Course Name	Course Code
Woodworking 15G	WOHR1G
Woodworking 20G	WOOR2G
Woodworking 30G	WOOR3G
Woodworking 40G	WOOR4S

***Special Consideration: Applied Tech. 40S – APTR4S**

PRATICAL ARTS OPTIONAL COURSES & DESCRIPTION

Course Name: Electronics 15G

Prerequisite: None

Course Description:

- Lab-based course includes the study of Electricity and tool safety.
 - Students will create working projects using a printed circuit board and electronic components.
-

Course Name: Electronics 20G

Prerequisite: None

Course Description:

- Students will explore topics such as direct current (DC), alternating current (AC), circuits, Ohm's Law and Watt's Law.
 - Students will build projects from a schematic, explore residential wiring and robotics.
-

Course Name: Electronics 30G

Prerequisite: None

Course Description:

Students will continue to study the concepts of electricity including amplifiers, power supplies, robotics, communication technology and residential wiring through design and problem solving projects.

Course Name: Electronics 40S

Prerequisite: Electronics 30G

Course Description:

- Students working at this level must be able to work independently. They will have the option as to which area they wish to explore:
 - Electricity - Residential house wiring
 - Electronics - Digital electronic and integrated circuitry
 - These choices can reflect the postgraduate studies that the student may pursue
-

Course Name: Family Studies 20S

Prerequisite: None

Course Description:

Students will explore infant and child growth and development. Topics such as neonatal care, pregnancy, birth and shaken baby syndrome will be examined.

Students will explore the life of a preschool child through hands-on practicum experiences in childcare centers and elementary schools within the community.

Course Name: Family Studies 30S

Prerequisite: None

Course Description:

Students will explore the significance of the "family" from a cross cultural perspective. An emphasis on how individuals live within the family unit is examined.

Topics such as parenting styles, family violence, child discipline and play will be examined. Students will explore the life of a school-aged child through practicum experiences in elementary schools within the community.

Course Name: Family Studies 40S

Prerequisite: None

Course Description:

An emphasis on the stage of adolescence from a personal perspective will be examined by students. Students will explore how relationships with others influence general well being throughout life.

Topics such as self-esteem, depression, addictions and the elderly will be examined. Students will explore the life of school-aged children through practicum experiences in childcare and elementary settings within the community.

Course Name: Food & Nutrition 15S

Prerequisite: None

Course Description:

This lab-based course focuses on the role of the Canada Food Guide in making healthy choices throughout life.

Students will learn about the importance of healthy eating habits throughout life and the role food plays in our overall wellness.

Course Name: Food & Nutrition 20S

Prerequisite: None

Course Description:

This lab-based course applies basic nutritional theory to practical food labs where students in groups, prepare nutritionally sound foods.

Current research into the role food plays in prevention of diseases such as cancer, heart disease and diabetes will also be examined. Students also explore the importance of food safety and handling with respect to health.

Course Name: Food & Nutrition 30S

Prerequisite: None

Course Description:

- This lab-based course examines the factors affecting food choices and their role in overall health.
 - Students examine adolescent eating patterns and reflect on their own experiences with food choices.
 - Current nutritional research topics are also critically examined by students.
-

Course Name: Food & Nutrition 40S

Prerequisite: Food & Nutrition 30S

Course Description:

This lab-based course explores how current nutritional trends affect the health and wellness of Canadians.

Students explore a variety of current topics with respect to nutrition and food choices. The role of global food production and its relevance to the health of Canadians is also examined.

Course Name: Graphic Communications 15G

Prerequisite: None

Course Description:

- Students will explore computer animation airbrushing, screen printing and perspective drawing.
 - Students will develop their practical skills and safety in the classroom.
-

Course Name: Graphic Communications 20G

Prerequisite: None

Course Description:

- Students will explore a variety of topics including, post-secondary education options and career avenues of the Graphics Communications Technology Industry.
 - Problem solving, developing technical skills and safety are the focus of this course. Desktop Publishing programs such as Adobe Photoshop and Illustrator. Students will also explore Digital Photography and video editing.
 - Students will explore 3D modelling and 3D printing and Airbrushing.
-

Course Name: Graphic Communications 30G

Prerequisite: None (Graphic Communications 20G is strongly recommended)

Course Description:

- Students will explore a variety of topics including, post-secondary education options and career avenues of the Graphics Communication Technology Industry. Problem solving, developing skills and safety are aspects of the course.
 - Students will explore 3D modelling and 3D printing, Airbrushing, Digital Photography and Digital Video.
 - Students will be using iMovie, Adobe Photoshop and Adobe Illustrator.
-

Course Name: Graphic Communications 40S

Prerequisite: None (Graphic Communications 30G is strongly recommended)

Course Description:

- Students will explore a variety of topics including, post-secondary education options and career avenues of the Graphics Communications Technology Industry. Problem solving, developing skills and safety are aspects of the course.
 - Students will explore 3D modelling and 3D printing, Airbrushing, Digital Photography and Digital Video.
 - Students will be using iMovie, Adobe Photoshop and Adobe Illustrator.
-

Course Name: Metalwork 20G

Prerequisite: None

Course Description:

- The course is designed to give the students basic knowledge in the manufacturing of jewelry using wire and beads. The students will be introduced to the lost wax casting process where they will design a sterling silver pendant or ring.
 - The student will also be responsible, with guidance to plan, design and develop several projects throughout the course.
-

Course Name: Metalwork 30G

Prerequisite: None

Course Description:

- The course is designed to give the students basic knowledge in the manufacturing of jewelry using wire and beads. The students will be introduced to the lost wax casting process where they will design a sterling silver pendant or ring.
 - The student will also be responsible, with guidance to plan, design and develop several projects throughout the course.
-

Course Name: Metalwork 40G

Prerequisite: None (Metalwork 30G is strongly recommended)

Course Description:

- This course is designed to give the students basic knowledge in the manufacturing of jewelry using wire and beads. The students will be introduced to the lost wax casting process where they will design a sterling silver pendant or ring.
 - The student will also be responsible with guidance to plan, design and develop several projects throughout the course.
-

Course Name: Power Mechanics 15G

Prerequisite: None

Course Description:

This course is designed to give the student basic knowledge on the internal combustion engine, as well as, basic maintenance of lawn mowers and other small engines.

Course Name: Power Mechanics 20G

Prerequisite: None

Course Description:

This course is designed to give the student basic knowledge on the internal combustion engine, as well as, basic maintenance of lawn mowers and other small engines.

Course Name: Power Mechanics 30G

Prerequisite: None

Course Description:

This course teaches the student to become more familiar with all the operating systems, as well as troubleshooting problem areas.

Course Name: Power Mechanics 40G

Prerequisite: None

Course Description:

This course pulls together all of the skills needed to troubleshoot, beginning with the Engine Analyzer and continuing through the process.

Each student is expected to become involved in shop projects and show self motivation.

Course Name: Textile Arts & Design 15S

Prerequisite: None

Course Description:

- Practical lab-based course.
 - Condensed study of textiles and notions. Students will learn to work safely in the clothing lab.
 - Lay out a commercial pattern and create a laptop bag with a personalized computer embroidery.
-

Course Name: Textile Arts & Design 20S

Prerequisite: None

Course Description:

- This lab-based course includes the study and care of different types of fabrics.
 - Students will have the opportunity to select a project of their choice that uses a minimum of 12 different design details.
 - Through the use of commercial patterns, students will develop skills in zippers, buttonholes, gathers, pleats, darts and a number of other designs.
-

Course Name: Textile Arts & Design 30S

Prerequisite: None

Course Description:

- This lab-based course includes the study and care of different types of fabrics, fibres and yarns.
 - Students will have the opportunity using the principles and elements of design to select a project that uses a minimum of 16 different design details.
 - Through the use of commercial patterns, students will develop skills in a wide variety of different design elements.
-

Course Name: Textile Arts & Design 40S

Prerequisite: None (Textile Arts & Design 30S is strongly recommended)

Course Description:

- This lab-based course includes an intensive study of fabric construction, as well as, looking at natural versus synthetic fibres.
 - Students will have the opportunity using the principles and elements of design to select a project that uses a minimum of 20 different design details.
 - Students will learn how to alter and tailor garments for an ideal fit.
-

Course Name: Woodworking 15G

Prerequisite: None

Course Description:

- This course is a combination of written and hands-on work.
 - Students will acquire an introduction to production machinery and will in turn be required to perform more advanced techniques and produce high quality work.
 - Safety procedures will be covered throughout the course.
-

Course Name: Woodworking 20G

Prerequisite: None

Course Description:

- This course is a combination of written and hands-on work. Students will have a mandatory project that will include a review of the use of woodworking production machinery.
 - Key topics for this class will include the reading of plans and blue prints, estimating and calculating the cost of projects and advanced wood joinery techniques.
 - Safety procedures will be covered throughout the course.
-

Course Name: Woodworking 30G

Prerequisite: None

Course Description:

- This course is a combination of written and hands-on work. Students will have a mandatory project that will include a review of the use of woodworking production machinery.
 - Key topics for this class will be reading of plans and blue prints, estimating and calculating the cost of projects and advanced wood joinery techniques.
 - Safety procedures will be covered throughout the course.
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Course Name: Woodworking 40G

Prerequisite: None (Woodworking 30G is strongly recommended)

Course Description:

- This course is a combination of written and hands-on work. Students will complete a mandatory project. Key topics for this class will include the reading of plans and blue prints, estimating and calculating the cost of projects and advanced wood joinery techniques.
 - Finally, upon completion of their compulsory project students will be expected to design, plan and construct a project of their choice.
 - Safety procedures will be covered throughout the course.
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Course Name: Applied Technology 40S

Prerequisite: None

Course Description:

Applied Technology 40S is for students that have excelled in and completed a 40S level course in one of the Industrial Arts areas. It is an advanced IA course and requires acceptance by the IA teacher.

CHALLENGE FOR CREDIT OPTION

General

Winnipeg School Division recognizes that students may, in exceptional circumstances, have already acquired the knowledge, skills and attitudes of a particular course. The Challenge for Credit Option provides a process for students to demonstrate that they have achieved learning outcomes as defined in the Manitoba curriculum for a directly related course. Requirements to earn a credit via challenge should not be more demanding than the requirements to earn the credit through regular instruction; this should involve demonstrating that the student can meet the curriculum learning outcomes in an appropriate way.

This option is intended to serve particular needs such as:

- Students who by virtue of special talents or private study, can be accelerated in particular subject areas.
- Students transferring into a Manitoba school from another jurisdiction whose placement in subject/grade would be facilitated by such a provision.
- Students whose educational attendance has been interrupted through sickness or other reasons and who may be able to successfully challenge the learning outcomes of a particular subject area, in which they were previously unable to enrol;
- Students who were previously home schooled.
- Students who are considered exceptional achievers in a certain area.
- Students who can demonstrate that they have met course requirements through life experiences such as independent study, world of work, volunteer activities, and hobbies.

School Responsibilities

1. Establish school procedures and protocols for local implementation of the Challenge for Credit option. Establish timelines that are appropriate for the school.
2. Establish procedures to communicate to parents/guardians and students the availability, procedures, objectives, and assessment strategies for the Challenge for Credit Option.

Student Responsibilities

1. Students who request the opportunity to challenge a course must be able to provide reasonable evidence that they have some likelihood of completing the challenge successfully such as appropriate independent study, world of work, volunteer activities, and hobbies.
2. Students have to complete a notice of intent form as developed by the school.
3. Students must comply with the Division policy for the Challenge for Credit Option

For more information, please see the **Guidance Department**.