

## ENGLISH LANGUAGE ARTS

### ENGLISH 10E

This basic skills course will develop English communication skills through vocabulary study, reading and writing practice and opportunities to engage in spoken language activities. It will serve to prepare students for the 20E course. Prerequisite: Benchmark of 5 or an appropriate EAL assessment

### ENGLISH 20E

In this course, students will develop English communication skills through vocabulary study, reading and writing practice and opportunities to engage in spoken language activities. Lessons engage students in short stories, news articles and electronic media. Students will also participate in opportunities to share personal experiences and culture. Prerequisite: English 10E, Benchmark of 5 or an appropriate EAL assessment

### ENGLISH 20F

This course provides students with an introduction to the six language arts: reading, writing, listening, speaking, viewing and representing. Students will also develop a greater understanding of connections between the main idea, audience, and purpose of given a text. Students will engage in thematic units that may include short stories, poetry, newspaper and magazine articles, novels, and essays. Prerequisite: English assessment

Students have the option of taking any **one or more** of the following three **30S Language Arts** curriculums: Transactional Focus, Literary Focus, and Comprehensive Focus.

### ENGLISH COMPREHENSIVE 30E

Students taking 30 E will continue to explore new literature and practice their communications skills. Class instruction will focus on: Punctuation, grammar and sentence structure review, vocabulary development, reading, writing and discussion strategies and the inquiry processes. Prerequisite: 20E level English course or an appropriate EAL assessment

### ENGLISH COMPREHENSIVE 30S

English 30S Comprehensive Focus will support students development in reading, writing, and critical thinking skills. There will be an emphasis on reflective writing as well as group discussions. Units that may be included in the course are: poetry, short stories, essay writing, as well as continuous independent reading and personal reflective writing. This course will improve your vocabulary, reading and writing skills, creativity, and help strengthen your understanding of literature as well as social justice and societal issues. Prerequisite: Prerequisite of 20F or an English assessment

**ENGLISH LITERARY 30S**

English 30S Comprehensive Focus will explore texts and language that are both expressive and aesthetic. Thematic units will include poetry, short stories, novels, memoirs and personal reflective writing. Students will develop and enhance their understanding of the art of language and consider how literary perspectives reflect both our historical and contemporary context. Prerequisite: Prerequisite of 20F or an English assessment

**ENGLISH TRANSACTIONAL 30S**

In 30S Transactional Focus, students will develop their skills in interpreting, synthesizing and evaluating pragmatic texts. Students will explore articles, essays, short stories and novels to better understand the function of language in various media forms. This course challenges students to evaluate the effectiveness of an author's choices and analyze connections between main idea, purpose, form and audience. Prerequisite: Prerequisite of 20F or an English assessment

All students are required to complete a Provincial Standards test in one of their 40S level English courses prior to graduation.

Students are encouraged to check entrance requirements for post-secondary when selecting English courses in their academic pathway. A number of programs may require two 40S English courses for entrance.

Students may take more than one English course from each of the three curriculums: Transactional Focus, Literary Focus, and Comprehensive Focus. All three courses provide students with an S Level credit for university entrance.

**ENGLISH COMP 40E** 

This course provides EAL students with an opportunity to develop their reading, writing, speaking, and listening skills in English at an advanced level. A variety of textual forms will be explored and students will be asked to demonstrate their learning through different writing forms as well as classroom discussions. Prerequisite: 30E level English course or an appropriate EAL assessment

**ENGLISH COMPREHENSIVE 40S**  

It is designed to build and strengthen the skills of listening, reading, viewing, speaking, writing and representing. Students will develop skills to analyze the effectiveness of texts through a variety of forms and perspectives. In the Senior 4 ELA Comprehensive Focus students will learn to approach and interpret materials and assignments from both, aesthetic (pleasure and creativity) and pragmatic (information and opinions) perspectives. Prerequisite: English 30S or an English assessment

## ENGLISH LITERARY 40S – INDIGENOUS LITERATURE FOCUS

The 40S Literary course is offered to both Indigenous and non-Indigenous students who would like to explore diverse perspectives in literature and gain a more developed awareness of the cultural and historical context in Canada. Students will explore Indigenous ways of knowing and Indigenous perspectives through a diverse range of texts; including memoirs, poetry, novels, drama, adaptations of oral storytelling and expository text. Each unit will analyze different themes and concepts such as relationships, justice and power. The course is open to all students who wish to develop an appreciation of literature and new understandings of the nature of Canadian society. Prerequisite: English 30S or an English assessment

## ENGLISH TRANSACTIONAL 40S

This course is offered for those students requiring a second English credit for post-secondary entrance requirements. It is designed to further build the skills of listening, reading, viewing, speaking, writing and representing. In this course, students explore thematic units to develop a wide range of knowledge, strategies and attitudes. Students will specifically focus on enhancing critical literacy skills. The Senior 4 ELA Transactional Focus emphasizes the pragmatic uses of language: to inform, direct, persuade, analyze, argue and explain. Prerequisite: English 30S or an English assessment

## HUMANITIES

### ABORIGINAL STUDIES 40S

This course examines the traditional values and worldviews of First Nations, Métis, and Inuit peoples and provides both Indigenous and Non-Indigenous students with knowledge of Indigenous cultures and traditions. Prerequisite: History 30S or English 30S or assessment at the English 40S level

### FAMILY STUDIES 40S

This course is designed to help students understand human behaviour, to foster healthy attitudes, and to explore the dynamics of the family unit. Many people re-examine their decisions about family throughout the course of their lives, continually reassessing and re-evaluating their relationships. Topics covered focus on: the changing family, the roles of the family in raising children, building healthy relationships and strong marriages, self-esteem, self-management and media literacy. Prerequisite: History 30S or English 30S or assessment at the English 40S level

### FOOD AND NUTRITION 40G \* -only

The significance of food, consumer aspects of food and nutrition, Canada's food supply and family aspects of food and health, global food issues, preparation of food as well as careers in the food industry will be covered in this course. Prerequisite:

### GEOGRAPHY 20F \* -only

The physical, environmental, economic, social, cultural and political aspects of Canadian life and international relations are presented..

**GLOBAL ISSUES 40S**  

This course is about discovering the world outside Winnipeg and how that world can directly link to your lives here in Winnipeg. It is also about what we can do (as individuals or as groups) to help ourselves and others to positively deal with these issues. Students will be doing an inquiry project that will lead to an action or plan of action that the students can actual apply to their lives. There will be daily activities related to the major topics of the course: consumerism and economics (poverty, wealth, power and globalisation), security and well-being (human rights & oppression, social justice, peace & conflict, human migration), needs (health, food & water, air & energy) and sustainability (environment, communities, design, action). Prerequisite: either History 30S or English 30S, or an assessment at the English 40S level

**LAW 40S** 

This course examines the development and implementation of laws in Canadian society. Students will be able to explain what law is and why societies have laws; describe the different categories of law; identify the historical roots of Canadian law; explain who is responsible for law-making in Canada; and how laws are developed, interpreted, applied, challenged, and enforced. Prerequisite: either History 30S or English 30S, or an assessment at the English 40S level

**PSYCHOLOGY 40S**  

This course engages students in the scientific study of behaviour and mental processes. Students will explore how psychologists use the scientific method to discover ways of understanding the complexities of human thought and behaviour and the differences among people. Studying psychology helps students understand themselves, and how to deal with issues in their own lives such as inner conflicts, relationships with parents and peers, and intimacy. It also helps students understand societal problems such as drug dependency, aggression and discrimination. Prerequisite: either History 30S or English 30S, or an assessment at the English 40S level

**ENGLISH AS AN ADDITIONAL LANGUAGE PROGRAM**

W.A.E.C. offers a full supportive program for students who are learning English as an additional language. Students entering the EAL Program at W.A.E.C complete an assessment with our EAL staff to determine the appropriate course level for academic achievement. The focus of our EAL program is to:

- Establish the required skills for reading, writing, listening, and speaking that allow students to acquire knowledge in an English language classroom
- Develop English language fluency, ensuring that students have the comprehension, speed and retention necessary to study in other English and content area courses
- Advance the critical thinking and analysis skills required in additional years of study at W.A.E.C. Students are required to both “participate in” and “contribute to” the learning environment
- Enhance understanding of academic expectations and assessment criteria

EAL learners at W.A.E.C have the opportunity to engage in a full range of multidisciplinary language courses that support equitable learning opportunities throughout our students' academic careers.

Students in our English as an Additional Language program will receive a timetable with 3 courses per semester at the EAL course level.

## COURSES AVAILABLE FOR EAL LEARNERS

Any course with an 'E' designation is specifically tailored to EAL learners. These courses are:

**BIOLOGY 30E**  
**ENGLISH 10E**  
**ENGLISH 20E**  
**ENGLISH COMPREHENSIVE 30E**  
**ENGLISH COMPREHENSIVE 40E**  
**HISTORY OF CANADA 30E**  
**LIFE/WORK PLAN 20E**  
**SCIENCE 20E**  
**PERSONAL FINANCE 20S/20E**

Look for this symbol  when searching for EAL course descriptions.

## MATHEMATICS PROGRAMS

### 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. Topics include financial mathematics, geometry, logical reasoning, measurement, number, relations and functions, and statistics and probability.

### Essential 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 further study in advanced mathematics. Topics include algebra, geometry, measurement, number, statistics and probability, and financial mathematics.

### 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. Topics include algebra and number, measurement, permutations, combinations and binomial theorem, relations and functions, and trigonometry.

Students enter at the appropriate level based on an assessment by the Math Department.  
Please Note: Progression in Math depends on successful completion of prerequisite skills.

## MATHEMATICS

Students are encouraged to check entrance requirements for post-secondary when selecting Mathematics courses. A number of programs may require a specific Mathematics course for entrance.

### PERSONAL FINANCE 20S/20E

Personal Finance focuses on developing fundamental financial literacy skills, including the value of money, basic economics, budgeting, saving, financial institution services, and investing. Since financial literacy is a life skill, this course is a good option for all students.

### MATH SKILLS (HALF CREDIT)

Math Skills is intended for students considering post-secondary studies that require a math prerequisite. This course is designed to provide students with the foundational skills needed to progress to the Pre-Calculus or Applied Mathematics programs. Students will engage in activities that include the use of technology, problem solving, mental mathematics, and theoretical mathematics to promote the development of mathematical skills.

### APPLIED MATH 30S

This course is intended for students considering post-secondary studies who 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 Math Skills and builds a foundation for Grade 12 Applied Mathematics. Technology is an integral part of both learning and assessment in Applied Mathematics.

Prerequisite: Recommended minimum mark of 60% in Math Skills

### APPLIED MATH 40S

This course 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 on the topics studied in Grade 11 Applied Math. Technology is an integral part of both learning and assessment in Applied Mathematics.

Prerequisite: Recommended minimum mark of 60% in Applied Math 30S

### ESSENTIAL MATH 30S

This course is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Grade 11 Essential Mathematics emphasizes consumer applications, problem solving, decision-making, and spatial sense and provides a foundation for the topics studied in Grade 12 Essential Mathematics.

**ESSENTIAL MATH 40S** 

This course is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Grade 12 Essential Mathematics (40S) emphasizes consumer applications, problem solving, decision-making, and spatial sense. Prerequisite: Essential Math 30S

**PRE-CALCULUS 20S**

This course is intended for students considering post-secondary studies that require a math prerequisite. This pathway provides students with the mathematical understanding and critical-thinking skills that have been identified for specific post-secondary programs of study. It builds on the topics studied in Math Skills and provides background knowledge and skills for Grade 11 Pre-Calculus (30S).

Prerequisite: Recommended minimum mark of 60% in Math Skills

**PRE-CALCULUS MATH 30S**

This course 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 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.

Prerequisite: Recommended minimum mark of 60% in Pre-Calculus Math 20S

**PRE-CALCULUS MATH 40S**

This course 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.

Prerequisite: Recommended minimum mark of 60% in Pre-Calculus Math 30S

**CALCULUS**

This course covers the topics in first year university Calculus. After successfully completing this course, students are prepared for the rigors of university Calculus.

Prerequisite: Recommended minimum mark of 75% in Pre-Calculus Math 40S.

## SCIENCE

EAL students may only register for any Science 30S course once they have successfully completed their EAL English program.

### SCIENCE 20E

Science 20E has been designed as a stepping stone for EAL students who want to take courses at the 30S and 40S level in Chemistry, Biology and Physics in their high school education. An emphasis will be placed on the development of scientific vocabulary and literacy. Topics course include: Scientific method (Introduction to Science), States of Matter (Physics), Atoms and Elements (Chemistry), Topics in ESD, Introduction to Biology. Prerequisite: current registration in English 20E, 30E or 40E

### SCIENCE 20F

Grade 10 Science covers four major areas of Science: 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 investigation 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.

### BIOLOGY 30E

Students who have completed Science 20E and would like to learn more about the study of living things are encouraged to register for Biology 30E. In this course, we will focus on gaining an understanding of the meaning of important vocabulary terms used in the study of high school Biology. An emphasis will be placed on common Greek and Latin roots used in biological words, reading for understanding, thinking and writing like a Scientist, summarizing and paraphrasing new information and developing techniques for showing your understanding of biological vocabulary. Specific topics studied will be connected to living and studying in Manitoba whenever possible. Prerequisite: current registration in English 20E, 30E or 40E and completion of Science 20E

### BIOLOGY 30S

The focus of Biology 30S is wellness and homeostasis. This course is designed to prepare students for careers in the health sciences as well as provide opportunities for students to develop an awareness of the human body systems for personal wellbeing. Topics covered are: cell biology, digestion and nutrition, respiration and circulation, immunity and protection, excretion and waste management, endocrine and nervous controls and wellness and aging. Prerequisite: Science 20F



**BIOLOGY 40S** 

The major themes of this course are to examine the significance of evolution as a key unifying theme in biology and to explore what life is and how it changes over time. Students will examine the organization of life in all kingdoms through the study of cellular processes and organism function. In genetics and biotechnology, students will explore inheritance, and how information is stored, transmitted, and expressed at chromosomal and molecular levels. The topics covered are: understanding biological inheritance, mechanisms of inheritance, evolutionary theory and biodiversity, organizing biodiversity, and conservation of biodiversity. Prerequisite: Biology 30S

**CHEMISTRY 30S**

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, and organic chemistry. Prerequisite: Science 20F and Introduction to Applied Math and Pre-Calculus 20S

**CHEMISTRY 40S**

Chemistry 40S provides a continuation of the studies that began in the 30S program. It is designed to prepare students for post-secondary science-related studies. The rigor of the course is designed to ease the transition between high school and post-secondary studies. 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. Topics covered are: quantum model of the atom, chemical kinetics and equilibrium, acids and bases equilibrium, aqueous solutions, and electrochemistry. Prerequisite: Chemistry 30S and Pre-Calculus 30S or Applied Math 30S

**PHYSICS 30S**

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. The topics covered are: kinematics, vectors, dynamics, gravity, electric fields, magnetic fields & electromagnetism, and waves & sound. Prerequisite: Science 20F and Introduction to Applied and Pre-Calculus 20S

**PHYSICS 40S**

Physics 40S involves the rigorous extension of many concepts learned in Physics 30S. The course will involve a significant amount of theory, problem solving, labs, and possibly a design process project that will allow students to apply their knowledge in creative and practical ways. Physics 40S helps students deepen their understanding of the relationships they have learned in the physics 30S course, and help them see the various ways these relationships can be expressed or applied. Topics covered are: vectors, kinematics, dynamics, circular motion & momentum, fields, circuitry and medical physics, Prerequisite: Physics 30S and Pre-Calculus 30S

## INFORMATION AND COMMUNICATION TECHNOLOGY

### APPLIED BUSINESS TECHNOLOGY 40S

This course will provide students with the skills and knowledge to further prepare them for post-secondary courses. Topics include tables and columns, advanced tables and graphics, textboxes, SmartArt, WordArt, charts, mail merge and PowerPoint.

Prerequisite: Desktop Publishing 35S

### APPLYING INFORMATION AND COMMUNICATION TECHNOLOGY 1 - 15F

This half credit course will introduce students to basic computer literacy skills. It will establish basic ICT knowledge, attitudes and skills, including but not limited to navigating login, drives, files and folders, creating files and folders, learning basic keyboarding skills, using cloud based software such as GCF Global Learning and Typing Web, creating, editing and saving basic documents in Word, and performing Internet research.

### APPLYING INFORMATION AND COMMUNICATION TECHNOLOGY 2 - 15F

This half credit course is will continue to reinforce and extend ICT knowledge, attitudes and skills. Topics include navigating login, drives, files and folders, creating files and folders, improving basic keyboarding skills, using cloud based software such as GCF Global Learning and Typing Web, creating, editing and saving basic documents in Word, and performing Internet research. Prerequisite: Applying Information and Communication Technology 1

### PRINT COMMUNICATIONS 25S

This half credit course will provide students with the skills and knowledge to plan and create documents for personal and business communications. Topics include tabs, displays, memos, letters, agendas and reports. Prerequisite: Applying Information and Communication Technology 2

### DESKTOP PUBLISHING 35S

This half credit course will provide students with the skills and knowledge to plan and create a variety of published print documents. Topics include displays, flyers, newsletters, brochures and posters. Excel will be introduced. Topics will be basic formulas, formatting and charts. Prerequisite: Print Communications 25S

### ADVANCED KEYBOARDING 25G -only

This course prepares you with skills to set up or format a document. Any instruction that tells you how to arrange a piece of work is called formatting or format.

## OPTIONAL COURSES

### LIFE/WORK PLAN 20E

This course will help students uncover and explore their career interests. Through guest speakers, classroom presentations and personal inquiry, students will gain exposure to a variety of employment prospects in Manitoba. Students will also acquire the tools and skills needed for entrance to college, university, or the workplace by developing an appropriate academic career plan for both their time spent at W.A.E.C and their postsecondary goals. Prerequisite: current registration in English 20E, 30E or 40E

### PHYS ED 40F

This full-credit course is designed to help youth take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them, and to engage in active lifestyles into their futures. Students will study topics related to fitness management, nutrition, social/emotional health, substance abuse and personal development. These topics will make up approximately 20% IN-class component of the course content. 40% of the course will be student directed resistance training at the YMCA and the remaining 40% of the course, students will be required to develop a personal physical activity plan. Students will be introduced to risk management planning to minimize the associated risks of the activities they have chosen.

### VISUAL ARTS 40S

40S Art provides you with exposure to a range of techniques and media while focusing on skill-building. It offers opportunity for individualized interpretation and personal response to problems and broad themes. Students will be introduced to the practice of journal or sketchbook keeping for several purposes: to record definitions and information, to complete exercises, drawings and reflections, to keep handouts, research, and brainstorming, and to document the art-making process. Prerequisite: current registration in 40E or 40S courses.

## COURSES OFFERED AT OFF-SITE LOCATIONS:

### Kaakiyow Li Moond Likol – 510 King Street

Advanced Keyboarding, English Comprehensive 30S, 40S, English 20F, Essential Math 20S, 40S, Food and Nutrition, Global Issues 40S, Aboriginal Studies 40S, Information and Communication Technology 1 & 2, Law, Life Work Plan 20S, Psychology 40S

### River Osborne Off Campus Site – 101 Pembina Highway

English Comprehensive 40S, Transactional 40S, Math: Essential 40S, Applied 40S, Biology 40S, Global Issues 40S, Psychology 40S