

St. Andrew's Regional High School



Course Selection Guide

2013–2014



“ TO BUILD IN LOVE ”

THIS BOOKLET OUTLINES THE PROGRAMS OFFERED AT ST. ANDREW'S REGIONAL HIGH SCHOOL FOR GRADES 8 - 12.

HOW TO USE THIS HANDBOOK

The purpose of this booklet is to help you plan and choose courses for your years at St. Andrew's Regional High School. If you have any questions, please see the school counselor, Ms. Marine McDonnell.

Use the information in this booklet to help you:

Select courses that interest you based upon their content. You must also be prepared to meet the specified requirements, particularly in the more rigorous and or performance-based courses.

Ensure that you have the required prerequisites. This should include planning for future years. Do not assume that you can take courses from a different grade level since this is not always possible to schedule.

Ensure you graduate with the qualification for the post-secondary of your choice.

CHOOSING COURSES

The courses chosen in Grade 10 determine the Grade 12 courses completed and therefore the post-secondary programs to which students may apply. In order to keep options open it is a good idea to select a high school program that will allow some flexibility.

Science 10, Foundations and Pre-calculus 10/Apprenticeship and Workplace 10, English 10, Social Studies 11 and English 12 are all part of a graduation requirement that includes a provincial examination.

Plan carefully because the timetable is assembled based on your initial choices. Once the schedule has been built, specific changes may be difficult or impossible to implement.

Selection of a course does not ensure you will be able to fit this into your schedule, although every attempt will be made to accommodate you.

We do not encourage students to take a summer school course if it is their first time in that course because of the reduced time of instruction.

If you are unsure about your options, especially if your questions pertain to graduation or university entrance requirements; take the time to see the school counselor, Ms. McDonnell.

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Grade 8 Courses

All grade 8's take a prescribed curriculum consisting of Religion/HCE, Math, English, Science, Social Studies, French, Physical Education, and Elective. These courses are described below. *Reminder:* Unless specified otherwise all grade 8 courses are linear (that is, they begin in September and end in June).

Religion 8/HCE8

Pre requisite: None

Students in Grade 8 follow the Canadian Conference of Catholic Bishops religion text Stand By Me. The family life curriculum component is the text entitled Fully Alive (A Family Life Education program sponsored by the Ontario Conference of Catholic Bishops). The BC Ministry of Education Health and Career Education (HCE) lessons are integrated where appropriate. Student will develop a deeper appreciation of the Apostles' Creed as our own truth statement and lead to a fuller appreciation of how we are blessed with gifts to help us live as God's chosen people.

English 8

Prerequisite: Completion of grade 7

Grade 8 English course includes:

Writing – The sequential curriculum that emphasizes “the writing process” begins in English 8. The English 8 student will also learn grammar and usage, punctuation, spelling and vocabulary, sentence and paragraph development.

Literature – The student will read several types of literature: short stories, novels, poetry, mythology and drama. Emphasis is on reading comprehension and recreational reading. Listening and Speaking Skills and Media Literacy are also part of this course.

Social Studies 8

Prerequisite: Completion of grade 7

This course focuses on World Civilizations from 500-1600. Students will study the development and decline of civilization, and the cultural achievements made by these civilizations. They will also study the evolution of legal and governmental systems, the development of early economic systems, and the significant explorations and settlement patterns of this time in history.

French 8

Prerequisite: None

The program used in French 8 is called the AIM (Accelerated Integrative Method) of teaching FSL. AIM promotes an active, inter-active means of accelerating second language acquisition by using spontaneous classroom interactions, discussions about stories, creative drama and storytelling. Students learn word-meaning relationships and develop an awareness of syntax in oral language contexts supported through presentation of the same language in written form. Grammar is taught inductively so that the students learn what sounds right and then learn the rules that govern what sounds right. In French 8, students practice communicating orally and thus learn to communicate in writing.

Mathematics 8

Prerequisite: Completion of Grade 7

Equipment: A scientific calculator is required.

The emphasis of this course is on operations with rational numbers, fractions and integers. Other topics will include; proportion problems, patterns, linear graphs and equations, Pythagorean relationship, area and volume, statistics (measures of central tendency, probability of independent events) and problem solving.

Science 8

Prerequisite: Completion of Grade 7

The Science 8 curriculum at St. Andrew's follows the BC curriculum which is a survey of different science disciplines and skills. As well as developing the knowledge, skills, and thinking abilities associated with each topic, we seek to teach students to think for themselves and synthesize their new knowledge to solve new problems.

The Grade 8 science program includes:

- **Life Science**
Cells and Systems
- **Physical Science**
Optics
Fluids and Dynamics
- **Earth and Space Science**
Water Systems on Earth.

Honours Program Grade 8

Prerequisite: **Completion of honours application and acceptance into the program**

The Honours 8 program in the 5 academic courses (Mathematics, English, Science, Social Studies and French) covers the curricula in these subject areas intensively and in depth with an emphasis on critical thinking and problem solving. In Mathematics, the students also have the opportunity to prepare for and participate in national Math competitions. The French 8 Honours course uses the AIM (Accelerated Integrative Method) of teaching FSL but material is covered at a faster pace thus allowing time to study other aspects of Francophone culture. As a result, vocabulary is expanded and associations to other grammatical concepts are explored.

Learning Support 8

Prerequisite: Recommendation of school counsellor, administration, parents, and Learning Support Teacher.

The Learning Support Program supports students who need assistance in their academic courses. The program involves learning and practicing organizational skills and study strategies in a small group situations as well as tutoring in core subject areas. Specific content varies according to the needs of the individual student. An IEP will be developed to meet the needs of the individual student.

Physical Education 8

Prerequisite: Completion of grade 7

This course will involve students in a variety of activities including: fitness, team sports/games, individual and/or dual activities, dance and outdoor activities.

Fair play, sportsmanship, participation, co-operation, performance and knowledge (rules, strategies and health) are evaluated.

Proper gym attire consists of a white shirt, navy blue shorts, and/or sweat suit with the St. Andrew's logo on it. Non-marking athletic shoes, or soccer cleats when outdoors, are also required.

Elective 8

Elective 8 consists of four components: Art, Drama, IT, and Music. These are described as:

Art 8

Prerequisite: None

Art 8 consists of introductory material in all areas of visual expression. It is intended to provide students with opportunities to develop and review a basic understanding of art. Students will demonstrate knowledge of and the ability to use:

- Image-development and design strategies
- Contexts (personal, social, cultural and historical)
- Visual elements and principles of art and design
- Materials, technologies and processes and to perceive, respond to and create and communicate through images.

Drama 8

Prerequisite: None

Drama 8 is a short introduction to the high school performance electives. The students will develop personal skills in voice, poise, confidence and trust. Themes explored are:

- Movement
- Gesture
- Theatre History
- Theatrical Terms

Information Technology 8

Prerequisite: None

ICT 8 is a partially self-directed course that introduces students to efficient computer and Internet use, Internet safety and security, word processing, basic photo editing, and computer animation. Improvement of typing skills is also a component.

Music 8

Prerequisite: None

Music 8 is a general music course in which students will have opportunities to listen, perform, and create. Students will present first their "Favorite Songs". Their major project will be on "Great Composers" in which they will study the lives and music of a famous composer. Other components of the course will include learning the basic language of music (theory), instruments of the orchestra, ear training, and voice/instrument placement for those that are interested in joining the school Choral or Band programs.

Concert Choir 8

Prerequisite: None

The Choir meets two hours weekly throughout the entire year. Participation in performances is required; performances may occur in the evening and/or weekend. Occasionally performances may be away from the school.

This course includes:

- ◆ How to read music, sing correctly and create an ensemble
- ◆ Learn the language of music
- ◆ Sing a varied musical repertoire
- ◆ Learn to perform in a professional manner

Concert Band 8

Prerequisite: Some previous instrumental experience recommended.

Equipment: Students must provide their own instruments.

The Band meets for two hours weekly throughout the entire school year. Participation in performances is required; performances may occur in the evening and/or weekend. Occasionally performances may be away from the school.

Continuation of skills study on woodwind, brass and percussion instruments

- ◆ Learn the language of Music
- ◆ Playing in a varied repertoire
- ◆ Learn to perform in a professional manner

Jazz Band 8

Prerequisite: Students must have Band 7 from their elementary school and also be in Concert Band 8, or have permission of the Music Director.

Equipment: Students must provide their own instruments.

Jazz Band 8 is a year-long course in which students will learn the basics of jazz playing style and technique. Students will study a variety of music genres within jazz, including swing, Latin, and funk, while also developing basic improvisational skills. There will also be a number of performances throughout the year, through which students will have the opportunity to learn performance etiquette while developing their experience as jazz musicians.

Grade 9 Courses

All grade 9's take a prescribed curriculum consisting of Religion/HCE, Math, English, Science, Social Studies, French, Physical Education, and two Electives. These courses are described below.

Reminder: Unless specified otherwise all grade 9 courses are linear (that is, they begin in September and end in June).

Religion 9 / HEC 9

Prerequisite: None

Students in Grade 9 follow the Canadian Conference of Catholic Bishops religion text Be With Me. The family life curriculum component is the text entitled Turning Points (A Family Life Education program sponsored by the Ontario Conference of Catholic Bishops). The BC Ministry of Education Health and Career Education (HEC) lessons are integrated where appropriate. Students will evaluate their own lifestyles and choices in light of the values revealed by Jesus' life and teachings. The Beatitudes and Commandments are the basis of text discussions.

English 9

Prerequisite: English 8

Writing – the emphasis at this level is on precision of language, increase in vocabulary and improvement of style. Students are taught how to subordinate ideas and make graceful transitions between sentences or paragraphs. They will also continue their study of grammar, usage, punctuation, and spelling.

Literature – Enjoyment of literature and the development of a critical sense are encouraged. Students study short stories, novels, poetry and plays.

Listening Skills and Speaking Skills – Through discussion of literature and ideas in the classroom, students gain opportunities for oral expression and careful listening.

English 9 Honours

Prerequisites: Completion of the Grade 8 Honours or recommendation of Grade 8 English teacher

The English 9 course of study is covered intensively and in depth. This is a very challenging course for superior English students. Writing, literature, listening and speaking skills are developed in accordance with the English 9 outcomes as outlined above.

Physical Education 9

Prerequisite: Physical Education 8

Course work involves becoming familiar with a variety of sports and activities. Fair play, sportsmanship, participation, co-operation, performance and knowledge (rules, strategies and health) are evaluated.

Proper gym attire consists of a Sabres PE shirt, navy shorts and/or sweat suit with the St. Andrew's logo on it. Non-marking athletic shoes or soccer cleats, when outdoors, are also required.

Social Studies 9

Prerequisite: Social Studies 8

Grade 9 Socials Studies focuses on Europe and North America from 1500-1815. The course covers the following topics:

- Society and Culture:
 - ◆ Life in Aboriginal communities and in French and British colonies
 - ◆ Relationship between Aboriginal people and Europeans and their roles in Canada's development
 - ◆ Development of individual and group identity
- Politics and Law:
 - ◆ Colonialism, imperialism, and nationalism revolutions in England, France, and America
 - ◆ Canada's political and legal roots
 - ◆ Economy and Technology
 - ◆ Economic systems, Industrial Revolution
 - ◆ Exploration, trade, and settlement
 - ◆ Environment
 - ◆ Geographical regions of North America impact of physical environment on trade/settlement
 - ◆ Aboriginal people's relationship with the environment

Mathematics 9

Prerequisite: Mathematics 8

Equipment: A scientific calculator is required.

Math 9 is a foundation course in algebra. Topics include polynomial expressions and equations using one variable, solving linear equations and inequalities and operations with polynomial expressions. Other topics include rational numbers, operations with exponents, trigonometry, chance and uncertainty, geometry, scale, transformations, and problem solving.

Mathematics 9 Honours

Prerequisite: Completion of the Grade 8 Honours program or the recommendation of Grade 8 Mathematics teacher

Equipment: A scientific calculator is required.

The Math 9 Honours course covers the Math 9 curriculum intensively with an emphasis on problem solving as well as other extensions on core curriculum. The students also have the opportunity to prepare for and participate in national Math competitions.

Science 9

Prerequisite: Science 8

The Science 9 curriculum at St. Andrew's follows the BC curriculum which is a survey of different science disciplines and skills. As well as developing the knowledge, skills, and thinking abilities associated with each topic, we seek to teach students to think for themselves and synthesize their new knowledge to solve new problems.

The Grade 9 science program includes:

***Life Science**
Reproduction

***Physical Science**
Atoms, Elements & Compounds

***Earth and Space Science**
Space Exploration

Science 9 Honours

Prerequisite: Recommendation of Grade 8 Science Teacher

Science Honours is for those students who may wish to explore an area of science that interests them. Additionally it will cover the curriculum more fully in areas that the class may wish. This course is for motivated students of science who are ready to go beyond the limits of science 9 and challenge themselves.

French 9

Prerequisite: French 8

The program used in French 9 is called the AIM (Accelerated Integrative Method) of teaching FSL. AIM promotes an active, inter-active means of accelerating second language acquisition by using spontaneous classroom interactions, discussions about stories, creative drama and storytelling. Students learn word-meaning relationships and develop an awareness of syntax in oral language contexts supported through presentation of the same language in written form. Grammar is taught inductively so that the students learn what sounds right and then learn the rules that govern what sounds right. In French 9, students move through more complex grammatical structures, honing their skills in French to accommodate more complex writing and greater speaking ability.

French 9 Honours

Prerequisites: Completion of the Grade 8 Honours program or the recommendation of Grade 8 French teacher

The French 9 Honours course continues with the use of the AIM (Accelerated Integrative Method) of teaching FSL. The material is covered at a faster pace, thus allowing time to study other aspects of Francophone culture. As a result, vocabulary is expanded and associations to other grammatical concepts are explored. Participation in a concours d'art oratoire is mandatory.

Spanish 9

Prerequisite: None

This is an introductory course for students who have little or no previous background knowledge of the Spanish language. Students will learn to describe their appearance, personality, likes and dislikes, hobbies and pastimes, and favourite school subjects. Students will learn to conjugate and use present tense verbs. Emphasis will be on building vocabulary, speaking and listening comprehension, and short written compositions.

Concert Choir 9

Prerequisite: None

The Choir meets two hours weekly throughout the entire year. Participation in performances is required; performances may occur in the evening and on weekends, and on occasion, away from the school.

This course includes:

- ◆ How to read music, sing correctly and create an ensemble
- ◆ Learn the language of Music
- ◆ Sing a varied musical repertoire and performing in a professional manner

Learning Support 9

Prerequisite: Recommendation by school counsellor, administration, parents, and Learning Support Teacher.

The Learning Support Program supports students who need assistance in their academic courses. The program involves learning and practicing organizational skills and study strategies in a small group situation. Specific content varies according to the needs of the individual student. An IEP will be developed to meet the needs of the individual student.

Concert Band 9

Prerequisite: Previous instrumental experience recommended.

Equipment: Students must provide their own instruments.

The Band meets for two hours weekly throughout the entire school year. Participation in performances is required; performances may occur in the evening and on weekends, and on occasion, away from school. This course includes:

- ◆ Continuation of skills study on woodwind, brass and percussion instruments
- ◆ Learn the language of Music
- ◆ Playing in a varied repertoire
- ◆ Learn to perform in a professional manner

Jazz Band 9

Prerequisite: Jazz Band 8 or permission of the Music Director.

Equipment: Students must provide their own instruments.

Jazz Band 9 is a yearlong course in which students will continue their study of jazz playing technique, style, and improvisation. Students will be expected to improvise during solos, expanding upon the foundations laid in Jazz Band 8. Repertoire studied will continue to include a variety of jazz styles, including swing, Latin, and funk. A number of performances throughout the year will continue to allow students to develop their performance etiquette while refining their skills as a jazz musician.

Grade 9 Electives

Choose one course from each category.

Art 9

Prerequisite: None

Length: 1/2 school year

Category: Fine Arts

Art 9, as an art foundations course, continues to offer the basic components of the secondary art programs. The students will be provided with introductions to various areas of visual expression, including drawing, painting, printmaking, and ceramics.

Drama 9

Prerequisite: None

Length: 1/2 school year

Category: Fine Arts

The Drama 9 elective course builds on skills introduced in Drama 8. Students are expected to participate in a variety of activities including improvisation, monologues and script writing. They will develop skills in teamwork, self-discipline, characterization, imagination, trust and self-confidence. Willingness to take some risks and participate co-operatively is essential. Performance in class is mandatory.

Guitar 9

Prerequisite: None

Length: 1/2 school year

Category: Fine Arts

This is a beginner course in guitar technique. The students will need to provide their own guitar. They can be rented at Long & McQuade. All students are required to perform. This course will include:

- Basic fingering and chording techniques
- Reading music

Debate 9

Prerequisite: None

Length: 1/2 school year

Category: Fine Arts

In Debate, students will learn and develop good research skills and will learn to prepare persuasive, informative and entertaining speeches. Students will learn to communicate ideas and opinions forcefully and effectively. Key listening and questioning skills will also be developed during cross-examination style debating. Students will practice “thinking on their feet” as they participate in impromptu speeches and answer questions during cross-examination. Students will research and debate topics of interest, as well as current events. Assessment is based upon participation, effort, preparation and most of all, improvement.

Information Technology 9

Prerequisite: None

Length: 1/2 school year

Category: Applied Skills

The aim of this course is to provide a framework for students to learn how to solve problems using information technology. As students work their way through the series of projects or problems they will achieve the following learning outcomes:

- ◆ Enter and edit information accurately using appropriate keyboarding techniques
- ◆ Install and evaluate different software on stand-alone computers
- ◆ Use the Internet to access, capture and store suitable information for use in specific contexts and understand and demonstrate the ethical use of information
- ◆ Demonstrate a basic understanding of programming
- ◆ Create various multimedia presentations that include music, animation and video

Digital Photography and Editing 9

Prerequisite: None

Length: 1/2 school year

Category: Applied Skills

The purpose of this elective is to introduce students to the basics of digital photography and photo editing. This course is designed for beginning photographers. We will study the following concepts:

- ◆ Rule of Thirds – Composition and setting up shots
- ◆ Landscape and Portrait modes
- ◆ Digital Editing

Projects will include making a photomontage, burning a digital CD and creating slideshows and photo cards.

Business Education 9

Prerequisite: None

Length: 1/2 school year

Category: Applied Skills

In the Business Education 9 curriculum, students will have opportunities to:

- Develop and apply appropriate business skills
- Further develop skills in using technology to produce business communications
- Understand the impact of technological change on business.
- Understand how business responds to social, economic, and geographic diversity

St. Andrew's Rowing Academy



St. Andrew's Rowing Academy was established to build upon the history of rowing at St. Andrew's Regional High School by offering a more comprehensive academic learning opportunity in conjunction with the sport of rowing.

The focus of the program is to provide a formal training program within the regular timetable of the school with a strong commitment to excellence in student achievement, both academic and technical.

The St. Andrew's Rowing Academy begins at the Grade 9 level. Students in their respective grades earn credit in: Physical Education 9-12, Principles of Rowing and Rowing 10-12.

Course contents include:

- Specific skill development with on-the-water training
- Strength & Conditioning
- Goal setting
- Time management
- Nutrition
- Sports Psychology
- Athletic Leadership
- Boating Certification

Fee: \$800.00

This includes:

- \$350 Spring Rowing Training
- \$75 Honorarium for Assistant Coaches
- \$25 Transportation
- \$100 Testing/specialists/guest speakers
- \$150 Uniform
- \$100 Regattas

Principles of Rowing

Prerequisite: A "Learn-to-Row" course or previous experience on a rowing team –
Required course for members of the St. Andrew's Rowing Academy.

Length: 1/2 school year

Category: Applied Skills

This course is the classroom component for students who are members of the St. Andrew's Rowing Academy. Components of this course will include the design and implementation of nutrition and exercise programs. It will also include certification in boating as well as the training of others. There will be opportunities to explore and develop various systems and apply these systems directly to rowing.

2004 Graduation Program Requirements

Preamble: In order to graduate, a student must earn a minimum of 80 credits combined over grades 10, 11, and 12, broken into three categories:

- I. Required Courses
- II. Elective Courses
- III. Graduation Standards

Of the 80 credits required, at least 16 credits must be at the Grade 12 level, including four credits of a Grade 12 Language Arts course, and 12 other credits. These may be from the “Required Courses” or “Elective Courses”.

Of the 80 credits needed, 48 of these must come from “Required Courses” as follows:

REQUIRED COURSES – 48 credits

Course Category	Minimum Credits
Language Arts 10	4
One Language Arts 11	4
One Language Arts 12	4
Social Studies 10	4
One Social Studies 11	4
Science 10	4
One Science 11 or 12	4
One Mathematics 10	4
One Mathematics 11 or 12	4
Physical Education 10	4
Planning 10	4
One Fine Arts and/or Applied Skills 10, 11, 12	4

For the list of courses that can fulfill the necessary “Required Courses” in each course category as per B.C. Ministry of Education guidelines, see pg. 16 Course Information for the Graduation Program.

Note: Each full course is worth 4 credits; therefore, one course per category is required. Additional courses may be taken in the same course category, but they would then be included as “Elective Credits”.

ELECTIVE CREDITS - a minimum of 28 credits. Students must complete a minimum of 28 credits from “Elective Credits” as outlined by the B.C. Ministry of Education. However, at St. Andrew’s Regional High School all students in the Graduation Program are expected to attempt to complete 44 elective credits.

At St. Andrew’s Regional High School, these elective credits must include Religion 10, 11 and 12 courses.

For the list of courses that can fulfil the Elective Courses Requirements see pg.11-13. “Course Information for the Graduation Program”.

GRADUATION STANDARDS – 4 credits

Students in Grade 10 – 12 must complete the following

- 80 hours of physical activity
- A graduation transition plan that will help students set goals for post-secondary education or career pursuits
- 30 hours of work experience or community service.

GRADUATION PROGRAM EXAMS

The Graduation Program requires all students write five program exams:

- A Grade 10 Language Arts
- A Grade 10 Science
- A Grade 10 Mathematics
- A Grade 11 Social Studies (*Social Studies or Civics*)
These provincial exams are worth 20 percent of the student’s final mark.
- A Grade 12 Language Arts (*English or Communications*)
This provincial exam is worth 40 percent of the student’s final mark.

COURSES OFFERED AT ST. ANDREW’S

Course Category	Course Category
Language Arts 10 English 10	Mathematics 10 Apprenticeship and Workplace Mathematics 10 Foundations of Mathematics & Precalculus 10
Language Arts 11 English 11 Communications 11	Mathematics 11 or 12 Apprenticeship and Workplace Mathematics 11 Foundations of Mathematics 11 Precalculus 11 Foundations of Mathematics 12 Precalculus 12
Language Arts 12 English 12 Communications 12	Physical Education 10 Physical Education 10
Social Studies 10 Social Studies 10	Planning 10 Planning 10

<p>Social Studies 11 Social Studies 11 Civics 11</p>	<p>Science 11 or 12 Biology 11 Biology 12 Chemistry 11 Chemistry 12 Physics 11 Physics 12 Earth Science 11 Geology 12</p>
<p>Modern Language Electives 10 -12 French 10 French 11 French 12 Spanish 10 Spanish 11 Spanish 12</p>	<p>Religious Education 10 -12 Religion 10 Religion 11: World Religion Religion 12: Ethics and Morality Religion 12: Social Teachings of the Church</p>
<p>Fine Arts or Applied Skills 10 – 12 Visual Arts 10 Art Foundations 11 Art Foundations 12 Studio Arts 11 (Drawing & Painting) Studio Arts 12 (Drawing & Painting) Media Arts 11 Choral Music 10: Concert Choir Choral Music 11: Concert Choir Choral Music 12: Concert Choir Drama 10 Theatre Performance 11: Directing & Script Development Theatre Performance 12: Directing & Script Development Theatre Performance 10: Acting Theatre Performance 11: Acting Theatre Performance 12: Acting Instrumental Music 10: Jazz Band Instrumental Music 11: Jazz Band Instrumental Music 10: Concert Band Instrumental Music 11: Concert Band Instrumental Music 12: Concert Band Instrumental Music 11: Guitar Theatre Production 10 Theatre Production 11 Theatre Production 12 Accounting 11 Accounting 12 Marketing 11 Fine Arts & Applied Skills 11 (Yearbook / Photo-Journalism)</p>	<p>Other Course Electives Applied Skills 11 (Classroom Assistant) Leadership 11 Psychology 11 Geography 12 History 12 Comparative Civilization 12 English Literature 12 Writing 12 Journalism 12 Law 12 Rowing 10 Physical Education 11 Physical Education 12 Human Performance 11 Rowing 10 Flow Yoga 11 Yoga 12 Quantum Physics and Cosmology 12 Calculus 12 Nutritional Biochemistry 12 English Language Strategies 10 English Language Strategies 11 English Language Strategies 12</p> <p>Fine Arts or Applied Skills 10 – 12 con't Information Technology 10 Information & Communication Technology 11 – Modular Survey Course Information & Communication Technology 12 – Modular Survey Course Industrial Design 11</p>

Grade 10-12

MATHEMATICS

The Senior Mathematics Curriculum in B.C. is currently in transition using the WNC (Western and Northern Canadian Protocol) Common Curriculum Framework for Grades 10–12 Mathematics as the guiding document. The revised curricula is fully implemented with the introduction of Pre-Calculus 12 and Foundations 12.

At the high school level, the mathematics program is designed to meet the needs of different learners throughout the three pathways: Apprenticeship and Workplace Mathematics, Foundations of Mathematics, and Pre-calculus. A common Grade 10 course (Foundations of Mathematics and Pre-calculus 10) is the starting point for the Foundations of Mathematics pathway and the Pre-calculus pathway.

At St. Andrew's, courses in each pathway are offered only if the enrollment is sufficient. Before selecting Math 11 and 12 courses, it is highly recommended students consult with the school counsellor and/or potential university, college, technical school and other post-secondary education choices to insure they are meeting entrance requirements.

Apprenticeship and Workplace Mathematics

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include algebra, geometry, measurement, number, statistics and probability.

Foundations of 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, measurement, number, logical reasoning, relations and functions, statistics and probability.

Pre-Calculus

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, relations and functions, trigonometry, and permutations, combinations and binomial theorem.

Apprenticeship and Workplace Mathematics 10

Prerequisite: Mathematics 9

Equipment: A scientific calculator (Sharp EL-510R Advanced D.A.L.) is required.

Credits: 4 credits

Provincial Exam: mandatory - 20%

This program includes the following topics:

-Measurement utilizing both the Imperial and Metric systems, Trigonometry and the application of these concepts to problem solving settings, Parallel line theorems, Rate, ratio, percent and applications, Finance including wages, contracts, commissions, and the appropriate calculations.

Foundations of Mathematics and Pre-Calculus 10

Prerequisite: Mathematics 9

Equipment: A scientific calculator (Sharp EL-510R Advanced D.A.L.) is required.

Credits:4 credits

Provincial Exam: mandatory - 20%

This program includes the following topics: Measurement utilizing both the Imperial and Metric systems, Trigonometry and the application of these concepts to problem solving settings, Radicals, Algebra (factoring) and exponent rules, Solving systems of equations , and Understanding linear relations and functions and the application of these concepts.

Apprenticeship and Workplace Mathematics 11

Prerequisite: Apprenticeship and Workplace 10

Equipment: A scientific calculator (Sharp EL-510R Advanced D.A.L.) is required.

Credits:4 credits

This program includes the following topics: -Measurement both Imperial and Metric including spheres, geometry, financial math and budgets, linear relations and proportional reasoning and graphing.

Foundations of Mathematics 11

Prerequisite: Foundations of Mathematics and Pre-Calculus 10

Equipment: A scientific calculator (Sharp EL-510R Advanced D.A.L.) is required.

Credits:4 credits

This program includes the following topics: -Application of rates, Trigonometry and the application of these concepts to problem solving settings, Reasoning and geometry, Statistics, Quadratics and Systems of Equations.

Pre-Calculus 11

Prerequisite: Foundations of Mathematics and Pre-Calculus 10

(A minimum of 73% is recommended.)

Equipment: A scientific calculator (Sharp EL-510R Advanced D.A.L.) is required.

Credits:4 credits

Course Fee: \$20.00 (includes course workbook)

This course covers the following topics, systems of linear and non-linear equations and inequalities, quadratic functions and equations, sequences and series, radical, rational, absolute value and reciprocal functions, trigonometry and linear and quadratic inequalities.

Foundations of Mathematics 12

Prerequisite: Foundations of Mathematics 11

Equipment: A scientific calculator (Sharp EL-510R Advanced D.A.L.) is required..

Credits:4 credits

This program includes the following topics: -Financial Math, numerical and logical reasoning using games and puzzles, probability, permutations and combinations, statistics, and various functions.

Pre- Calculus 12

Prerequisite: Pre-Calculus 11

(A minimum of 73% is recommended.)

Equipment: A scientific calculator(Sharp EL-510R Advanced D.A.L.) is required..

Credits: 4 credits

This course is a thorough preparation for further study in the sciences, mathematics and statistics. Topics include the composition and transformation of functions, polynomial functions, radical functions, trigonometric functions, exponential functions, logarithmic functions and combinatorics.

Calculus 12

Prerequisites: Pre-Calculus 12

(Physics 11 is recommended.)

Equipment: A scientific calculator(Sharp EL-510R Advanced D.A.L.) is required..

Credits:4 credits

This is a University Prep Course for students who have successfully completed Principles of Mathematics 12 and are planning or required to take Calculus courses as part of their post-secondary education. The topics include differentiation and integration of polynomial functions, exponential functions, logarithmic functions, trigonometric functions, and applications of differentiation and integration. Students who master this course have the opportunity to write a challenge examination for the first semester calculus course at UBC, SFU, UVIC or UNBC.

ENGLISH

English courses at St. Andrew's continue the development of the goals as stipulated in the Language Arts English Primary to Graduation Guide.

English 10

Prerequisite: English 9

Credits: 4 credits

Provincial Exam: mandatory - 20%

This course provides an enhancement of the various literary and media forms previously studied with the element of theme introduced. Integrated with the literature and media study is the development of a refined approach to language in which basic sentence patterns are reviewed and the subtleties of written language are studied.

The goals of the program are to provide students with opportunities for:

- Using language in communication.
- Using language in culture.
- Using language in thinking.
- Using language in learning.

English Language Strategies 10 -11

Prerequisite: None

Credits: 4 credits

Board Authority Authorized Course

This course is designed to support students in English language development. It will focus on the four main English language skills of reading, writing, listening and speaking. It also encourages the use of viewing and representing. This course focuses on developing strategies needed to read, research and write successfully in English and addresses specific needs in language and culture.

In Grade 11 students continue to focus on the four main English language skills of reading, writing, listening and speaking and developing strategies needed to read, research and write successfully in English.

English 11

Prerequisite: English10

Credits: 4 credits

English 11 is an academic course meant to develop students' critical thinking and communications skills. Students will read short stories, poems, novels, plays and essays. Within their reading, students will explore topics such as survival, man's inhumanity to man, power, growing up, and intellectual freedom. Students will continue to refine their writing skills; emphasis will be placed on writing pieces that are concise, coherent and creative.

Communications 11

Prerequisite: English 10

Credits: 4 credits

This course is designed for students who do not plan to pursue academic studies beyond Grade 12 or plan to upgrade before applying to post-secondary programs. Students who wish to upgrade their English skills in order to continue in English 11 and 12 will also find this course helpful.

The primary goal of the curriculum is to strengthen students' basic skills in comprehending and producing language. Students will:

- Develop basic reading and writing skills
- Develop a foundation of communication skills
- Use language appropriate to the situation
- Develop an understanding and appreciation for different types of literature.

English 12

Prerequisite: English 11

Credits: 4 credits

Provincial Exam: mandatory - 40%

The main goals in this course are to develop communication skills in reading, writing, speaking and listening, and to develop an understanding of and appreciation for different types of literature. Students will be using a variety of books, including novels, short story collections, poetry collections, plays, and reading and composition texts. Assignments will include paragraphs, essays, reports, creative writing and oral presentations. Homework will be assigned and checked regularly.

In this course each student will:

- ◆ Develop critical skills through a study of modern literature.
- ◆ Be exposed to the works of some major contemporary writers (including Canadian authors) and develop an awareness and understanding of their themes and concerns.
- ◆ Understand the use of forms and techniques in modern literature.
- ◆ Be able to respond to modern literature by expressing his or her opinion in a well-organized and clear style.
- ◆ Make use of rhetorical skills learned in Grade 11 to become increasingly proficient in thinking, formulating and expressing opinions.
- ◆ Develop the ability to speak effectively in both structured and spontaneous situations.
- ◆ Develop his or her skill in "creative writing" (i.e. poetry, short stories, drama).

Communications 12

Prerequisite: English 11 or Communications 11

Credits: 4 credits

Provincial Exam: mandatory - 40%

This is a senior level English course which focuses on basic skills in composition and basic understanding of literature. The course satisfies the Ministry of Education English graduation requirements however students wishing to pursue post-secondary studies must complete English 12 or plan to upgrade their English qualifications before continuing in post-secondary schools. Students will:

- Develop reading, writing and communication skills which prepare them for employment in a changing workplace and lifelong learning
- Present and respond to ideas, feelings and knowledge
- Explore literary works

English Literature 12

Prerequisite: English 11

Credits: 4 credits

This course is a study of English Literature from the Anglo-Saxon Period to the Modern Age. It is organized chronologically by literary periods, and for each period students will study the history and social background of the times, the lives of the most prominent writers, and a generous sample of their works.

The emphasis in the course is on developing an understanding of those writings which are considered to be the "Great Works" of English Literature, and on students developing the ability to

read and interpret for themselves. Students should gain an overview of English literature and an understanding of how writers through the ages have been influenced by their times and by those writers who have preceded them. Students should also gain an understanding of the principal forms and themes found in English literature.

English Language Strategies 12

Prerequisite: English Language Development 11

Credits: 4 credits

Board Authority Authorized Course

This course continues to focus on the four main English language skills of reading, writing, listening and speaking and developing strategies needed to read, research and write successfully in English.

Journalism 12

Prerequisite: English 11

Credits: 4 credits

Board Authority Authorized Course

Like Writing 12, Journalism 12 is designed for a student who enjoys writing and who has shown an aptitude as a writer. Journalism 12 teaches the student the fundamentals of writing for print, radio and television with some elements of production. Emphasis is placed on clear, concise writing. Unlike Literature courses, this subject focuses on student writing; however, some published material will be used as examples. A student taking this course will be required to write articles assigned by the teacher and will be encouraged to seek publication outside of the course.

Writing 12

Prerequisite :English 11

Credits:4 credits

Board Authority Authorized Course

Writing 12 is an elective course that is designed for students who have a flair for writing. It provides an opportunity to extend composition skills beyond those developed in the English classroom. Students will learn to write for a variety of audiences, generate ideas, create multiple drafts, peer-edit and polish their writing into a final draft. Like all writers, students taking this course must be open to discussing, evaluating and re-writing their work. We actively seek publication in our school newspaper, the yearbook, the diocesan newspaper and other community resources.

Students will produce at least one sample of the following genres: Short Story, Poetry, Drama, and Personal Narrative.

SCIENCES

In order to prepare students for their world, all science courses address global issues including technologies, environment and problems. Students are expected to develop some understanding of and respect for the process of science.

Science 10

Prerequisite: Science 9

Credits: 4 credits

Provincial Exam: mandatory - 20%

The Science 10 curriculum at St. Andrew's follows the BC curriculum which is a survey of different science disciplines and skills. Our Grade 10 science program includes:

- ◆ **Earth Science**
earthquakes, volcanoes and plate tectonics, geological time scales
- ◆ **Chemistry**
history of chemistry, covalent bonding, balancing chemical reactions, atomic models.
- ◆ **Physics**
Motion, velocity and acceleration
- ◆ **Biology**
Ecology, biomes, associated impacts due to human intervention and climate change.

Earth Science 11

Prerequisite: Science 10

Credits: 4 credits

Earth Science 11 is intended to provide students with the background and desire to investigate their Earth, its materials and its processes. It is a senior science course and students will be expected to complete 2.5–5 hours of reading or homework each week.

- ◆ Geological science (earth materials, resources, weathering, erosion, volcanoes, earthquakes and plate tectonics)
- ◆ Oceanographic science (ocean basins, ocean currents)
- ◆ Astronomical science (stars and galaxies, the sun and the solar system, the earth and moon)
- ◆ Atmospheric science (the atmosphere, pressure and winds, evaporation and precipitation, weather and climate)
- ◆ Historical geology

[Earth Science 11 fulfills the Science 11 graduation requirement, but is not recognized for university entrance.]

Biology 11

Prerequisite: Science 10

Credits: 4 credits

The Biology 11 course introduces a scientific discipline that is focused around the topics of unity and diversity among organisms, the theory of evolution and the ecological relationships that exist in ecosystems. The students are introduced to the 5 Kingdoms of organisms: Monera, Protista, Plantae, Fungi, and Animalia. A hands on approach is emphasized in this course. Laboratory activities which range from culturing bacteria, testing effectiveness of antibiotics to field trips and dissections are included. Students learn a number of biological skills and scientific processes.

Chemistry 11

Prerequisite: Science 10 and Foundations and Pre-Calculus 10

(A minimum of 67% is recommended in both courses)

Credits: 4 credits

Chemistry is a very challenging course. There is an emphasis on mathematical skill and algebraic problem solving. Students should expect to do 5 to 7 hours of homework per week.

Topics covered are: lab safety, brief review of Chemistry 9 & 10, measurement, properties of substances, changes in matter, atoms and ions, inorganic naming, the mole concept, reaction types, stoichiometry, atomic structure, periodic table organization, chemical bonding, solution chemistry, and organic chemistry.

Physics 11

Prerequisite: Science 10 and Foundations and Pre-Calculus 10

(A minimum of 67% is recommended in both courses)

Equipment: A scientific calculator is required

Credits: 4 credits

Physics 11 is a survey course and covers the following topics: kinematics, dynamics, momentum, mechanical energy, optics and waves, Einstein's Special Theory of Relativity and an introduction to the major branches of Physics and Engineering. There is a large lab component and an emphasis on multi-step problem solving skills throughout the course.

Geology 12

Prerequisite: Earth Science 11 or 2 other grade 11 sciences or permission of instructor

Credits: 4 credits

Geology 12 has 6 areas of focus:

- Earth Materials - introduction to geology, minerals, Igneous, Sedimentary and Metamorphic Rocks
- Time and Fossil Record - relative dating, absolute dating, the geologic time scale, the fossil record

- Internal Structures and Processes - plate tectonics, earthquakes, volcanoes, earth's interior, structural geology
- Surface Processes- running water, glaciers, wind, weathering and erosion.
- Earth Resources - mineral and energy resources
- Planetology - the inner planets, the outer planets, the moon

Students should expect to complete 3-6 hours of reading/homework each week.

Nutritional Biochemistry 12

Prerequisite: Pre-Calculus 11 and Chemistry 11

Credits: 4 credits

Board Authority Authorized Course

When did we stop eating food and start eating nutrients? Why is it that people diet and can't lose weight? Can you build muscles and strength while you sleep?

This course will review the basics of nutritional information and misinformation. Topics will include diet planning for healthy diets, the mechanisms of digestion, absorption, and transport of basic nutrients, highlights of the macronutrients and micronutrients, eating disorders, fad diets and weight control, supplements and fitness, sports drinks and nutrition and fake science used in marketing. This interesting and fun course is designed for the science minded individual interested in health and nutrition as a career.

Biology 12

Prerequisite: Biology 11 or 73% in Chemistry 11 and another grade 11 science course

Credits: 4 credits

Biology 12 is a challenging course which focuses on human physiology. This allows students to develop an interest in and understanding of science by looking at themselves and seeing how diverse body systems are integrated to maintain homeostasis. The course follows a sequence from cell structure and simple biochemical processes to the organ system themselves. Integrated into this is a variety of topics such as genetic engineering, human diseases, reproduction, and medical terminology. Laboratory skills are developed throughout the course with the final labs being the dissection of the fetal pig.

Chemistry 12

Prerequisite: Chemistry 11 and Pre-Calculus 11

(A minimum of 73% is recommended in both courses)

Credits: 4 credits

This challenging and interesting course includes lectures, individual work, demonstrations and labs. Course Content: Consists of 5 compulsory topics:

- ◆ Reaction rates
- ◆ Equilibrium
- ◆ Solubility
- ◆ Acids, bases and salts in solution
- ◆ Electrochemistry

Students should be prepared to do at least 5-6 hours of homework each week. An electronic scientific calculator is required. The work is abstract and intensive, requiring good problem-solving capabilities. Mathematical concepts required beyond Chemistry 11 include logarithms and the ability to extract the roots of a binomial.

Physics 12

Prerequisite: Physics 11 and Pre-Calculus 11

(A minimum of 73% is recommended in both courses)

Equipment: A scientific calculator is required.

Credits: 4 credits

Physics 12 provides grounding in the discipline of physics and covers the following topics: two-dimensional kinematics, dynamics and momentum, mechanical energy, static and rotational equilibrium, circular motion, gravitation and electromagnetism. This course is very mathematical and relies heavily on algebra and trigonometry to solve problems. There is a lab component and an emphasis on reasoning skills. This is a demanding and difficult course and should only be taken by students who can make the time commitment.

Quantum Physics and Cosmology 12

Prerequisite: Pre-Calculus 11 and Physics 11

Credits: 4 credits

Board Authority Authorized Course

The purpose of this course is to introduce students to quantum physics and cosmology, making them aware of current models, theories, and research, and how the vision of the universe is changing due to new discoveries. Cosmology is the study of the origin, evolution and fate of the entire universe. Quantum Physics is the study of matter based on quantum theory.

The course covers the following topics: Quantum Theory, the Standard Model, General Theory of Relativity, the Big Bang Theory and an introduction to String Theory.

SOCIAL STUDIES

In order to prepare students for their world, all courses address global issues and historical periods.

Social Studies 10

Prerequisite: Socials Studies 9

Credits: 4 credits

In Grade 10 Social Studies, students study Canada from 1815-1914. They focus on the following topics:

- **Society and Culture**
changes in society (immigration, women's roles), interaction between Aboriginal people and Europeans
- **Politics and Law**
evolution of responsible government and federalism, rebellions, confederation, nationhood, western expansion
- **Economy and Technology**
National Policy, CPR, industrialization, global trade
- **Environment**
physio-graphic regions, resource and environmental management , geographical factors in the development of Canada resource and environmental management

Social Studies 11

Prerequisite: Social Studies 10

Credits: 4 credits

Provincial Exam: mandatory - 20%

Social Studies 11 students will examine Twentieth Century Canadian History (1900 – Present), Canadian Government and Law, World Geography and global issues. Course work will include discussion, text questions, readings, film study, maps, unit tests, web quests, cartoon analyses, fieldtrips, research and photo essays, as well as seminar presentations.

Civic Studies 11

Prerequisite: Social Studies 10

Credits: 4 credits

Provincial Exam: mandatory - 20%

Informed citizenship is fostered through defining issues in Canadian civic identity, the study of Canadian government and legal system, political ideologies, international governance, and individual and collective rights and responsibilities. Topics studied will include the fundamental principles of democracy, political parties, the role of values and beliefs, power as an influence, the Canadian social safety net, and ethics in decision – making. Students' will have opportunities to form reasoned stands on issues and to participate in socially relevant projects. The course develops critical thinking and research skills, media literacy, and written, oral and graphic communication and presentation skills. On a practical level, students' will be required to design and implement a plan for civic action on a selected issue. **[Civic Studies 11 fulfills the Social Studies 11 graduation requirements, but is not recognized for university entrance.]**

History 12

Prerequisite: Social Studies 11

Credits: 4 credits

Course Fee: \$35.00 (includes course workbook)

History 12 covers twentieth century world history. Course work will include major essays, seminar presentations, questions based on text readings, unit tests, discussion, lecture notes etc. As well as being responsible for the content of the course, students will be required to demonstrate their mastery of a variety of analytical, critical, research and writing skills

Geography 12

Prerequisite: Social Studies 11

Credits: 4 credits

This course investigates the fundamental purpose of geography - to describe the earth's physical, natural and human environments and the interactions between these environments. There are four focuses in Geography 12:

- ◆ Environments and people - the nature of geography, environment, global citizenship
- ◆ Physical and Biological Processes - the earth's atmosphere, the biosphere, land and water
- ◆ Resources - the nature of resources, water as a resource, assessment and management of resources.
- ◆ The challenge of the future - geography's contribution, rights and responsibilities.

Comparative Civilization 12

Prerequisite: Social Studies 11

Credits: 4 credits

This course is designed to help students learn about the great accomplishments of the past. The chief focus will be on the ancient Greek and Roman civilizations. Such topics as art, mythology, literature, philosophy, technology, law, medicine, rhetoric, music, and daily life will be emphasized. There will be readings outside the main text, including primary documents that illustrate the ideas, attitudes, discoveries, and customs of many civilizations and their leading figures. Students will be encouraged to use higher level thinking skills to develop thoughtful answers to perennial questions about human nature, society, and civilization.

Law 12

Prerequisite: Social Studies 11

Credits: 4 credits

This is an introductory course on the Canadian Legal system.
It is expected that students will:

- ◆ Contrast the legal rights and responsibilities of individuals, groups and organizations in Canada
- ◆ Describe dispute resolution processes of litigation, arbitration, mediation, negotiation and hearing before a tribunal
- ◆ Demonstrate an understanding of the roles and responsibilities of witnesses, jurors, litigants, court officers, and interpreters
- ◆ Gather, process and use appropriate vocabulary to communicate and present legal information
- ◆ Demonstrate an understanding of career opportunities in the field.

SOCIAL SCIENCES

These courses provide various opportunities for study.

Psychology 11

Prerequisite: English 10 and Science 10

Credits: 4 credits

Board Authority Authorized Course

The science of psychology considers the predictable and not-so-predictable behaviour of human and animals. This course acts as an introduction to concepts, theories, and research findings of modern psychology. Learn more about perception, motivation, learning, memory, intelligence, frustration, personality, aggression, and behavioural disorders. Psychology 11 is a great place to conjecture about “what makes us tick”. Students will engage in various discussions and examine interesting stories dealing with a variety of issues in an effort to better understand human nature.

Psychology 12

Prerequisite: 60% in Psychology 11

Credits: 4 credits

Board Authority Authorized Course

Psychology 12 is a continuation of the concepts and outcomes that are learned in Psychology 11. Students will explore Social Psychology, which details the influence of groups and societal behaviour upon the individual. Students will then be lead to investigate the differing theories of personality. Additionally, students can expect to develop an understanding of psychological testing, experimentation and the statistical analysis utilized to read results. This course, in conjunction with Psychology 11, will provide the student with a solid grounding for future courses they may take in the field of Psychology at the university level.

Human Services Rowing Academy

Credits: 4 credits

Students will be completing some components of this program outside the regular time table. They are eligible to receive course credits based on the completion of the course content.

Course contents include:

- Specific skill development with on-the-water training
- Strength & Conditioning
- Goal setting
- Time management
- Nutrition
- Sports Psychology
- Athletic Leadership
- Boating Certification
- CPR 'C' Certification

Applied Skills 11 (Classroom Assistant)

Prerequisite: None

Credits: 2 - 4 credits

As a Classroom Assistant, students will learn to use appropriate problem-solving strategies and critical thinking skills when completing assigned tasks. Students will learn to communicate ideas and opinions in a variety of contexts. Time management, organizational and presentation skills will also be developed. Assessment is based upon participation, effort, preparation and completion of assigned tasks.

Student requests for this course will be dependent on availability of faculty, subject area interest and permission of the administration.

Graduation Transitions

Prerequisite: None

Credits: 4 credits

Graduation Transitions is an opportunity for students to reflect on their knowledge and abilities and plan for life after graduation by collecting evidence of their achievements in the following required areas:

➤ **Personal Health**

Daily physical activity and a commitment to fitness and physical and emotional wellbeing are key to healthy living. In this component of Graduation Transitions, students develop the knowledge, attitudes, and habits needed to be healthy individuals by maintaining a personal health plan

and participating in at least 80 hours of moderate to vigorous physical activity in addition to PE 10.

➤ **Community Connection**

Life after graduation includes the world of work and community responsibilities. As part of Graduation Transitions, students gain employability skills through participation in a least 30 hours of work experience and / or community service.

➤ **Career and Life**

Graduation Transitions requires students to explore personal and career goals during their secondary school years and create a plan for life after graduation. Transition planning is an ongoing process throughout the graduation program years and requires the completion of a transition plan, culminating in a final Grade 12 presentation.

Planning 10

Prerequisite: None

Credits: 4 credits

Students will focus and learn about the aspects of life that affect them outside of the school walls. In a sense, they will be helping create a map for their life after their school career is over.

The course is broken down into 4 components:

- Self Discovery
- Job achievement and retention
- Budgeting and Finances
- Healthy living

Some of the sample assignments/activities include:

- Resume building
- Workers' rights / responsibilities
- Interview Tips
- Career options and information
- 1 Year Budget
- University entrance information
- Grocery shopping Tips
- Goal setting

INTERNATIONAL LANGUAGES

These courses provide allow students to develop competency in French or Spanish.

French 10

Prerequisite: French 9

Credits: 4 credits

French 10 continues with the concept of the AIM program. Oral communication is emphasized so that syntax is learned inductively. Written communication reiterates this learning and is enhanced by studying grammatical rules and spelling. Aspects of the Francophone culture such as history, traditions, songs and stories are used as material for discussion and written work. Participation in a concours d'art oratoire is mandatory.

French 11

Prerequisite: French 10

Credits: 4 credits

French 11 again follows the concepts of the AIM program for language acquisition. Oral communication plays a large role in the classroom along with the opportunity to experience different auditory examples of native French speakers in the form of songs, news reports, stories, poems and plays. Students write stories based on the ideas presented and discussed in class which enables them to use the grammar and spelling they learn throughout the year. Francophone cultures and traditions are studied in the form of a concours d'art oratoire.

French 12

Prerequisite: French 11; C+ or better is recommended

Credits: 4 credits

Communication and acquisition of information is emphasized; oral/aural communication comprises 50% of the course work and written communication the other 50%. Emphasis will be placed on a higher level of competence in written and spoken French. Literature, history, songs, and popular Francophone culture are the topics covered with grammar consistently studied throughout. There is a mandatory in-school exam worth 40% of the mark, comprised of 50% written fluency and 50% auditory and oral competency.

Spanish 10

Prerequisite: Spanish 9 or equivalent

Credits: 4 credits

This is a continuation of the material begun in Spanish 9. In this course, students will learn to use a variety of different verb tenses and to write longer compositions. Students will also work to develop dialogues of greater length and depth. Vocabulary development and comprehension remain the focus.

Spanish 11

Prerequisite: Spanish 10 or equivalent.

Credits: 4 credits

This course seeks to advance the students' facility with the Spanish language through a combination of grammatical rules, conversation exercises, reading comprehension, and written comprehension. Students will engage in reading short stories and fairy tales, as well as working in the course textbook.

Spanish 12

Prerequisite: Spanish 11

Credits: 4 credits

Spanish 12 has four areas of focus:

Communicating :

- Exchange ideas and thoughts about personal interests
- Support personal points of view
- Express goals and plans
- Interact in situations drawn from personal life

Acquiring information :

- Research and present information from Spanish Language sources
- Convey information in oral, visual and written forms

Experience creative works:

- View, listen to creative works and respond to them

Understand culture and society:

- Identify the contribution of Spanish speaking people
- Adapt language and behaviour to suit cultural context
- Examine the cultural impact of Spanish exploration

RELIGION

Religion is a mandatory course at St. Andrew's. All courses include a school retreat.

Religion 10

Prerequisite: None

Credits: 4 credits – required at SARHS
Board/Authority Authorized Course

Students in grade 10 follow the Canadian Conference of Catholic Bishops high school program using the text Christ and Culture. The course objective is to assist young persons, with the help of the gospel, to participate as Catholics in the shaping of our culture. The grade 10 Program includes a two day class retreat.

Religion 11 - Comparative Religions

Prerequisite: None

Credits: 4 credits – required at SARHS
Board/Authority Authorized Course

This course involves the study of the main tenets of the major religions of the world. We will survey Judaism, Christianity, Islam, Hinduism and Buddhism. It requires that we come to grips with our own beliefs so we can appreciate the similarities and differences in other belief systems. We will encounter world religious traditions in the context of fundamental questions of religion: the nature of the human person; destiny and transcendence, ethics and creeds; cosmology; and ultimate reality. We will engage in comparative analysis, particularly in light of our own religious traditions and our continued study of Catholic Christianity. Students use the text, Exploring the Religions of our World by Nancy Clemmons.

Religion 12 - Ethics and Morality

Prerequisite: None

Credits: 4 credits
Board/Authority Authorized Course

This course examines the nature of the moral life in light of Roman Catholic moral theological traditions. The moral life is "life in Jesus Christ" which is characterized by our loving one another as Jesus loved us. We will explore the development of character, formation of conscience, and criteria for judgment and action. Students use the text, Your Life in Christ: Foundations of Catholic Morality from Ave Maria Press 2001

FINE ARTS

The fine arts program is a comprehensive program including all of the visual and performing arts.

Visual Arts 10

Prerequisite: None

Credits: 4 credits

Visual Arts 10 is designed for students wishing to continue their education in art and offers experience in a variety of visual expression areas. This year's program will include multi-media drawing, printing, acrylic painting, and ceramic sculpture. There will be some choice in projects, but many will be assigned.

Art Foundations 11 - 12

Prerequisite: none but Art 9/10 is recommended

Credits: 4 credits

Art Foundations is a full credit course designed for students with a strong interest in the visual arts. It offers experiences in a variety of visual expression areas: design, drawing, painting, printmaking, and ceramic sculpture. Students will be encouraged to work more independently as they develop a personal theme in their art work.

Fine Arts/Applied Skills 11 (Yearbook / Photo-Journalism)

Prerequisite: None

Credits: 4 credits

The main focus of this course is to create and publish the school yearbook. Coursework will also provide support for the school's newspapers, newsletters, and website. Students will be trained in a variety of journalistic and computer skills. These skills include journalistic writing, interviewing strategies, digital photography, photo editing, computer graphics, layout design, and desk top publishing. The writing process, including drafting, reviewing, editing and formatting for publication, will be stressed. This course will interest students who are creative, enjoy writing and photography, work well under pressure of constant publishing deadlines, and enjoy working with computers.

Studio Arts 11 – 12 (Drawing and Painting)

Prerequisite: Art Foundations 11/12 is recommended

Credits: 4 credits

Studio Arts 11 and 12 provide opportunities for students to focus on an in-depth study of drawing and painting. Students engage in the study of image development, context, and elements and principles of design while developing knowledge and skills in relation to the materials, processes, and technologies particular to drawing and painting. Studio Arts 11 and 12 provide opportunities for

students to develop their technical skills in relation to perceiving, responding to, creating, and communicating about art forms within the visual expression area of drawing and painting.

Media Arts 11

Prerequisite: Basic computer knowledge and a creative imagination

Credits: 4 credits

Do you love Animation? This is your chance to learn how it is done. Experiment with the different kinds of animation. Experience the steps involved in Video Production. Create Claymation (Chicken Run) and Cut Animation (South Park) using your own ideas and story. You will use computer programs like, Blender, Garage Band, Sound Studio, and iMovie to assist you in your creations. You will learn how to add sound effects and music scores to your clips and create voices for your own characters. This course gives you lots of time to play with your animation ideas and will teach you about motion control and timing that are essential features of good animation. Experience the life of an animator while still in High School.

Drama 10

Prerequisite : Drama 9 or permission of teacher

Credits:4 credits

The Drama 10 course builds on the skills developed in both Drama 8 and Drama 9. Students will study various periods of theatre history. They will perform in both the Shakespearean and Modern genres. Some script writing and directing will also take place.

Theatre Performance: Acting 10 - 12

Prerequisite: Drama 8 or 9, Audition

Credits:4 credits

The students audition to be cast in a spring production which will develop their dramatic skills. Students will meet for the equivalent of 180 minutes/week. Students will also be expected to attend additional rehearsals, including some weekends and evenings. Until the show closes, students will put in many extra hours developing their abilities and talents. The course will end one week after production. A very high level of commitment is expected and demanded for success in this course.

Theatre Production 10 - 12

Prerequisite: Permission of Teacher

Credits:4 credits

This course is designed for those students with a sincere interest in production skills. Students will learn all aspects of the structure and theory of the theatre. Emphasis is placed on learning the properties of backstage, stage orientation, and front of house. Crew assignments train the students to use lighting and sound equipment effectively, and also include stage management, costume design and construction, some minor set construction, and publicity. Students will organize and work as backstage crew for all school productions.

Theatre Performance 11: Directing and Script Development

Prerequisite: None. You need to be in either grade 11 or grade 12 to take this course

Credits: 4 credits

The purpose of this course is to provide students with the opportunity to develop their knowledge and skills in theatre, particularly in the areas of directing and writing. In addition, time will be spent on acting techniques, as an understanding of these is essential to any successful work in directing and script writing. Although all students will be required to participate in both directing and script development, it will be possible to choose to specialise in one more than the other in Unit #5.

The course will include the following units:

- Team Building
- Performance Skills
- Directing Skills
- Writing Skills
- Write/Direct/Perform

In all of the above sections, the emphasis will be on learning by doing. It is therefore of vital importance that students participate willingly and enthusiastically, and are prepared to work as co-operative team members. Good attendance, promptness and personal responsibility are essential for success in this course.

Theatre Performance 12: Directing and Script Development

Prerequisite: Theatre Performance 11

Credits: 4 credits

This course is for students who wish to further develop their theatre skills. It builds on the skills developed in previous drama courses, and is strongly recommended for students intending to follow further drama studies at university or college. Students in this course are expected to take an active role in the preparation, direction and performance of original work.

Concert Choir 10-12

Prerequisite: CC 10 – Some previous Choir Exp.

CC 11 – CC 10 or permission of instructor

CC 12 – CC 11 or permission of instructor

Credits: 4 credits

The Choir meets a minimum of two hours weekly throughout the entire school year. Participation in performances is required; performances may occur in the evening and on weekends, and on occasion, away from the school.

- How to read music, sing correctly, and create an ensemble tune with a beautiful sound
- Learn to perform in a professional manner
- Sing in a varied musical repertoire
- Learn the languages of Music

Instrumental Music - Concert Band 10-12

Prerequisite: CBA 10 - Some previous Instrumental Exp.
CBA 11 – CBA 10 or permission of instructor
CBA 12 – CBA 11 or permission of instructor

Equipment: Students must provide their own instruments

Credits: 4 credits

The band meets for a minimum of two hours weekly throughout the entire school year. Participation in performances is required; performances may occur in the evenings, weekends and occasionally away from school.

- Continuation of skill study on Woodwind, Brass and Percussion
- Play a varied musical repertoire
- Learn to perform in a professional manner

Instrumental Music Jazz Band 10 - 11

Prerequisite : Band 8 or previous Band experience

Credits: 4 credits

The jazz band meets throughout the entire school year. Participation in performances is required; performances may occur in the evenings, weekends and occasionally away from school.

- Students will study elements of rhythm, melody, and expression as related to the jazz genre.
- Reading/Performing jazz repertoire.
- Performance skills and etiquette.
- Improvisational Technique.

Film and Television 11-12

Prerequisite: Basic computer knowledge and a creative imagination

Credits: 4 credits

In Film and Television, students gain practical experience in some of the major areas of industry, including acting, scriptwriting and production. Students will be introduced to the standards of the film and television industry, the important roles that film and television play in society, and the various social, cultural and historical contexts in filmmaking. Students will explore and critically analyze past films. Students have opportunities to:

- Create film projects (writing, acting, filming and editing)
- Learn about pop culture and the mass media
- Learn about the history of film and television.

APPLIED SKILLS

These programs meet the applied skill requirement for the graduation program.

Fine Arts/Applied Skills 11 (Yearbook / Photo-Journalism)

Prerequisite: None

Credits: 4 credits

The main focus of this course is to create and publish the school yearbook. Coursework will also provide support for the school's newspapers, newsletters, and website. Students will be trained in a variety of journalistic and computer skills. These skills include journalistic writing, interviewing strategies, digital photography, photo editing, computer graphics, layout design, and desk top publishing. The writing process, including drafting, reviewing, editing and formatting for publication, will be stressed. This course will interest students who are creative, enjoy writing and photography, work well under pressure of constant publishing deadlines, and enjoy working with computers.

Accounting 11

Prerequisite: Foundations and Pre-Calculus 10

Credits:4 credits

Accounting 11 is an introductory accounting course designed to teach the student the fundamentals of accounting.

It is expected that students will:

- Explain the role of accounting in business
- Describe the relationship between debit and credit entries
- Explain the importance of ethics, integrity, and honesty in finance
- Explain the relationships among assets, liabilities, and owner's equity

Describe the relationships among journals, ledgers, trial balances, and financial statements in the accounting cycle.

Accounting 12

Prerequisite: Accounting 11

Credits:4 credits

Accounting 12 builds on skills learned in Accounting 11.

It is expected that students will:

- Compare financial reporting used in single proprietorships, partnerships, and corporations
- Prepare basic payroll, remittances, and required payroll tax documents
- Assess, choose, and justify appropriate inventory accounting systems for a business
- Apply inventory accounting methods using software
- Compare periodic and perpetual inventory methods
- Explain the use of sales journals, purchase journals, cash receipt journals, and cash payment journals in merchandising businesses
- Demonstrate proficiency in using accounts receivable, accounts payable, and merchandise accounting procedures
- Demonstrate proficiency in using cash control procedures

Marketing 11

Prerequisite: None

Credits: 4 credits

The goal of Marketing 11 is to expose the student as a consumer to the many diverse aspects of marketing, so he/she may understand the important role the consumer plays in the marketing process.

Information Technology 10

Prerequisite: Information Technology 9 (suggested)

Credits: 4 credits

The aim of this course is to build upon the students' skills and knowledge by guiding them through a series of projects based on a variety of other subject areas, such as Religion, Science, Social Studies, etc. The focus in grade 10 is on desktop publishing, making multimedia presentations and web page design and construction, computer graphics and animation.

Information and Communication Technology – Modular Survey Course 11

Prerequisite: Information Technology 9/10 recommended

Credits: 4 credits

Course work is designed to help students develop information literacy and the lifelong learning patterns they need to live and work effectively in an information-rich technological society. Students will study selected modules from the following strands: network planning, programming, electronic communications, and multimedia. Students will learn how to select, organize and modify information to solve problems, to use effectively information technology tools to communicate ideas in a variety of media, and to work as a team. Topics covered will include:

- The use of information technology tools in the workplace
- The impact of multimedia communications on society
- The use of multimedia and the Internet as tools (like Video, Flash, PowerPoint, and Web Design) to convey or enhance various messages
- Networking problems that are common to typical LANS and WANs
- Basics of programming in a structured higher level language like Java or Pascal

Information and Communications Technology – Modular Survey Course 12

Prerequisite: Information Technology 11

Credits: 4 credits

This course is a more detailed study of many of the topics introduced in the Information Technology 11 course. It is geared for students with a good grasp of networking, programming, and multimedia basics. Emphasis is placed of preparing students to become self-reliant as well as good communicators and problem solvers. Students will be encouraged to demonstrate an ability to work independently and as part of a team. They will also need to develop an ethical approach to the use of information.

Industrial Design 11

Prerequisite: Information Technology 9/10 recommended

Credits: 4 credits

Applied Engineering Technology integrates academic theory and practical skills to design, build and test projects. This is a hands-on course for students who are interested in Science and Engineering, as well as understanding how things work. Innovative design and problem solving are the key elements of the course. There are several lab-oriented projects, some of which are chosen by students.

Areas included are:

- Basic electronics
- Robot designs
- Bridge construction
- Hot air balloons
- Electric vehicles
- Wind tunnel testing
- Aircraft design and construction

PHYSICAL EDUCATION

These programs provide opportunity for athletic development.

Physical Education 10

Prerequisite: Physical Education 9

Credits: 4 credits

Course work involves becoming familiar with a variety of sports and activities. Students are evaluated on performance, participation, and knowledge (rules, strategies, and health). Fair play, sportsmanship, participation, cooperation, and punctuality are emphasized. The overall objective is to allow students to acquire the knowledge, skills, and attitudes that will enable them to enhance their quality of life.

Physical Education 11-12 - Lifetime Sports

Prerequisite: PE10 or permission of the teacher

Credits: 4 credits

Fees: \$425.00 includes:
\$75 activity fee/ \$350 outdoor education fee

Students will be involved in the planning and selection of the full year's activities. Selection of activities will depend on course requirements, the availability of facilities, transportation, instructors, and school and student schedules.

Co-Ed Sports Focus

- ◆ Introduction to sports and community recreation activities
- ◆ Volunteering services
- ◆ Leadership service component

- ◆ Fitness
- ◆ Sport in society
- ◆ Active health

Students are expected to assist in the operation of the school's athletic and intramural programs

This program includes a required out-trip component. We alternate the trips between Strathcona Park Lodge and Manning Park Resort. The cost of this activity must be borne by the student and is included in the course fee. Students in financial need may apply for a bursary.

The nature of this program is such that students should expect and be prepared to commit to classes that extend outside "normal" school hours.