



St. Andrew's Regional High School



2024-2025 Course Selection Handbook

TABLE OF CONTENTS

HOW TO USE THIS HANDBOOK	3
CHOOSING COURSES	3
Grade 8 Courses	4
Grade 9 Courses	9
Grade 9 Electives	13
Graduation Program Requirements	15
The Advanced Placement (AP) Program	16
Grade 10 - 12 Courses	18
ENGLISH LANGUAGE ARTS	18
MATHEMATICS	23
SCIENCES	27
SOCIAL STUDIES	30
PERSONAL DEVELOPMENT	32
LANGUAGES	34
RELIGION	36
FINE ARTS	38
APPLIED DESIGN, SKILLS, AND TECHNOLOGIES (ADST)	42
PHYSICAL AND HEALTH EDUCATION (PHE)	45

HOW TO USE THIS HANDBOOK

The purpose of this booklet is to help you choose courses for your years at St. Andrew's Regional High School. This guidebook lists the courses that could be offered in the next school year.

Use the information in this booklet to help you select courses that interest you, based on their content and your academic goals. You will be required to take specific courses in order to graduate, and if you plan to attend or to apply to a specific university program after graduation. Please double check to ensure that you are meeting all of your requirements so that you will graduate with the qualifications you require.

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. Refer to page 15 in this guide for more information regarding graduation requirements.

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

Selection of a course does not ensure that it can appear in your schedule, although every attempt will be made to accommodate you. Select alternative choices and record them on your Selection Form.

If you are unsure about your options, especially if you have questions that pertain to graduation or university entrance requirements, take the time to see the academic advisor or school counsellor.

GRADE 8 COURSES

All grade 8 students take a prescribed curriculum consisting of Religion & Career Education, Math, English, Science, Social Studies, French, Physical Education, and Electives. Students taking a Learning Support block will usually take all the listed courses except for French. These courses are described below.

Learning Support 8

The Learning Support program provides support for students who need assistance with their academic courses. The program assists the student in learning and mastering skills that are not at grade level. In addition to improving academic skills, the program may also involve learning and practicing organizational skills, study strategies, anxiety managing strategies and/or extra time to complete tests/ assignments if needed.

Specific content varies according to the needs of the individual student. Each student who attends a Learning Support block will either have an Individual Education Program (IEP) or a Student Support Plan (SSP). Students may also have a learning support block if they have been referred by the School Based Team (SBT). Students may work in small groups and/or individually.

Prerequisite: Recommendation by administration, teachers, school counsellor, parents, and the Learning Support Coordinator.

Religion 8 / Career Education 8

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). Students will develop a deeper appreciation of the Apostles' Creed as our own truth statement and explore the gifts that help us live as God's chosen people.

English 8

In English 8, the writing process will be emphasized. Students will also learn grammar and usage, punctuation, spelling and vocabulary, sentence and paragraph development. Students will read several types of literature: short stories, novels, poetry, mythology, and drama, working on reading comprehension and interpretation. Listening and Speaking Skills and Media Literacy are also part of this course.

Social Studies 8

Grade 8 Socials focuses on European, Middle Eastern and Asian societies from the 7th Century until 1750. The following ideas are explored:

- Contacts and conflicts between peoples stimulated significant cultural, social and political change.
- Human and environmental factors shape changes in population and living standards.
- Exploration, expansion, and colonization had varying consequences for different groups.
- Changing ideas about the world created tension between people wanting to adopt new ideas and those wanting to preserve established traditions.

Topics covered include: the collapse of empires, the diffusion of religions throughout the world, early, middle and late medieval times, crusades, the black death, the Renaissance, the Reformation and Counter- Reformation, cartography and navigation.

French 8

Using the Accelerated Integrative Method (AIM) of teaching core French, this course promotes the active, accelerated learning of a second language 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 first learn what sounds right and then learn the rules that govern the language. In French 8, students practice communicating orally and then learn to communicate in writing. Students will each be required to purchase access to the AIM online learning portal collected at the beginning of the course.

Course Fee: \$20.00 (AIM portal)

Mathematics 8

Students will be learning some big ideas of mathematics which include numbers, numeracy, patterns, computational fluency, geometry, data analysis and problem solving. Curriculum details can be found at

<https://curriculum.gov.bc.ca/curriculum/mathematics/8>.

Equipment: A scientific calculator is required.

Science 8

Science 8 is a survey of different science disciplines and skills. This will be taught through textbook reading and questions, note taking, teacher demonstrations, student experiments and regular home study. 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. In this course, students form the base from which to develop and focus their own interests, and so are better able to make the most suitable choices for courses in senior years.

The Grade 8 science program includes:

- Life Science: Cells and Immunity
- Physical Science: Energy Transfer, Waves, and Optics
- Earth and Space Science: Plate Tectonics and Geological Processes

Physical and Health Education 8

This class is a combination of classroom learning and physical activity participation. Students acquire the knowledge and skills to take responsibility for their health and well-being by learning different methods of exercise, how to perform them correctly, and how to properly plan fitness activities, all while emphasizing the development of a good attitude toward lifetime physical activities. Students learn and apply the following health skills from the BC Ministry of Education: Accessing Information, Analyzing Influences, Decision Making, Goal Setting, Interpersonal Communication, Self-Management, and Advocacy. Health-related fitness components emphasized include cardiovascular fitness, muscular strength, muscular endurance, flexibility, and body fat control. Skill related fitness components emphasized include balance, coordination, reaction time, agility, power, and speed. The skills above are taught through units including but not limited to nutrition, body conditioning, team sports, and individual activities. Additional units covered include destructive decisions (covering such topics as use/abuse of alcohol, drugs, and tobacco), coping with stress, mental health and well-being, being an informed consumer, and promotion of health within the school and community. All students are required to have a Physical Education uniform. Proper gym attire consists of a navy shirt, navy or black shorts and/or sweat suit with the St. Andrew's logo on it. Indoor only non-marking athletic shoes. When outdoors, students need outdoor shoes and soccer cleats are recommended.

Grade 8 Electives

Elective 8 consists of four components: Art, Drama, Information Technology, and Music.

Art 8

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

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 (IT) 8

IT 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, webpage development and Scratch programming.

Music 8

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

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 teaches students:

- To read music, sing correctly and create an ensemble
- To learn the language of music
- To sing a varied musical repertoire
- To learn to perform in a professional manner.

Concert Band 8

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 teaches students:

- 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.

Prerequisite: Some previous instrumental experience recommended.

Equipment: Students must provide their own instruments.

Jazz Band 8

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.

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.

GRADE 9 COURSES

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

Learning Support 9

The Learning Support Program provides support for students who need assistance with their academic courses. The program is to assist the student in learning and mastering skills that are not at grade level. In addition to improving academic skills, the program may also involve learning and practicing organizational skills, study strategies, anxiety managing strategies and/or extra time to complete tests/ assignments if needed. Specific content varies according to the needs of the individual student. Each student who attends a Learning Support block will either have an IEP (Individual Education Program) or an SSP (Student Support Plan). Students may work in small groups and/or individually.

Prerequisite: Recommendation by administration, teachers, school counsellor, parents, and the Learning Support Coordinator.

Religion 9 / Career Education 9

The Religion 9 course, aids students to know, contemplate, celebrate and live in the life and love of the Trinity. Through prayer, scripture, moral teachings, and the Sacraments, students will evaluate their own lifestyles and choices in light of the values revealed by Jesus' life and teachings. Texts used are Morality and Be With Me.

English 9

Writing – the emphasis at this level is on precision of language, increase in vocabulary and improvement of style. Students 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.

Physical and Health Education 9

This class is a combination of classroom learning and physical activity participation. Students acquire the knowledge and skills to take responsibility for their health and well-being by learning different methods of exercise, how to perform them correctly, and how to properly plan fitness activities, all while emphasizing the development of a good attitude toward lifetime physical activities. Students learn and apply the following health skills from the BC Ministry of Education: Accessing Information, Analyzing Influences, Decision Making, Goal Setting, Interpersonal Communication, Self-Management, and Advocacy. Health-related fitness components emphasized include cardiovascular fitness, muscular strength, muscular endurance, flexibility, and body fat control. Skill related fitness components emphasized include balance, coordination, reaction time, agility, power, and speed. The skills above are taught through units including but not limited to nutrition, body conditioning, team sports, and individual activities. Additional units covered include destructive decisions (covering such topics as use/abuse of alcohol, drugs, and tobacco), coping with stress, mental health and well-being, being an informed consumer, and promotion of health within the school and community. All students are required to have a Physical Education uniform: a navy shirt, navy or black shorts and/or sweat suit with the St. Andrew's logo. Indoor only non-marking athletic shoes. When outdoors, students need outdoor shoes; soccer cleats are recommended.

Mathematics 9

Students will be learning some big ideas of mathematics which include numeracy, computational fluency, linear relationships, proportional relationships, data analysis, and problem solving: <https://curriculum.gov.bc.ca/curriculum/mathematics/9/core>.

Equipment: A scientific calculator is required.

Social Studies 9

The Grade 9 Social Studies Curriculum covers the time period from 1750 -1919. The following big ideas are highlighted: Emerging ideas and ideologies profoundly influenced societies and events; The physical environment influences the nature of political, social and economic change; Disparities in power alter the balance of relationships between individuals and between societies; Collective identity is constructed and can change over time. Some topics covered are: First Peoples, interactions between Europeans and First Peoples, the American Revolution, the French Revolution and the Industrial Revolution, use of natural resources, historic injustice, historic reasons for immigration to Canada, and Canadian identity.

Science 9

Science 9 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: Cell Biology and Reproduction; Physical Science: Chemistry with a focus on Atoms, Elements & Compounds Static and Current; Electricity and Circuits; Earth and Space Science: Ecology and Natural Cycles and Sustainability

French 9

Building on the French 8 program, this course uses the Accelerated Integrative Method (AIM) to teach core French, promoting the active, accelerated learning of a second language 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 first learn what sounds right and then learn the rules that govern the language. In French 9, students move through more complex grammatical structures, honing their skills in French to accommodate more complex writing and greater speaking ability. Students will each be required to purchase access to the AIM online learning collected at the beginning of the course.

Prerequisite: French 8

Course Fee: \$20.00 (AIM portal)

Spanish 9

This is an introductory course for students who have little or no previous background knowledge of the Spanish language. This course uses the TPRS (Teaching Proficiency through Reading and Storytelling) method to promote the active, accelerated learning of a second language through the study and discussion of songs and stories. 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. Additional grammar instruction is provided as new concepts are introduced and practiced in the stories and songs. Hispanic culture is integrated through songs, videos and short news summaries.

Course Fee: \$15.00 (Señor Wooly platform)

Concert Choir 9

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

Concert Band 9

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

Prerequisite: Previous instrumental experience recommended.

Equipment: Students must provide their own instruments.

Jazz Band 9

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.

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

Equipment: Students must provide their own instruments.

GRADE 9 ELECTIVES

Choose one course from Arts Education AND one course from Applied Design, Skills, and Technology. Each of the following courses run for half of the school year, every other day.

Visual Arts 9 (Arts Education)

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. Students will each be required to pay ten dollars (\$10.00) towards extra art supplies used which will be collected at the beginning of the course.

Cost: \$10

Guitar 9 (Arts Education)

This is a beginner course in guitar technique. 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 and reading music.

Drama 9 (Arts Education)

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.

Information and Communications and Technology 9 (Applied Design, Skills, and Technology)

The purpose of this course is to provide students with an introduction to the following:

- Programming Scratch
- Enhanced typing skills
- Internet safety
- Use of the Microsoft office suite particularly: Word and Excel
- Introduction to photo editing and web page development.

Media Arts: Digital Photography 9 (Applied Design, Skills, and Technology)

The purpose of this elective is to introduce students to the basics of photography and digital photo editing. This course is designed for beginning photographers, but more intermediate photographers will benefit. It is helpful to have a digital camera with manual controls for Shutter Speed and Aperture for several of the assignments. We will study layout and design, graphics and images using the following concepts and ideas:

- composition: rule (suggestion) of thirds, juxtaposition, lines and symmetry,
- selective colourization, portraiture, nature photography,
- lighting: basics of lighting on a budget,
- a famous photographer (students can choose from a list) and what makes them great,
- digital editing, technical and symbolic elements that can be used in various ways.

Students will complete many projects individually and some with a partner to improve their technique and enhance creativity. 75% of the course is project based.

Food Studies 9 (Applied Design, Skills, and Technology)

Students will learn:

- components of food preparation, including use and adaptations of ingredients, techniques, and equipment;
- pathogenic microbes associated with food-borne illnesses;
- health, economic, and environmental factors that influence availability and choice of food in personal, local, and global contexts;
- ethical issues related to food systems;
- First Peoples traditional food use, including ingredients, harvesting / gathering, storage, preparation, and preservation.

Cost: \$20

GRADUATION PROGRAM REQUIREMENTS

Overview

In Grade 10, students enter the Graduation Program and begin earning credit towards their Dogwood Diploma. The 2018 Graduation Program consists of 52 required credits + 28 elective credits for a total of 80 credits. In addition, Religion 10-12 courses are required for graduation at St. Andrew's Regional High School. Each Religion 10-12 course is worth 4 credits.

Indigenous-Focused Graduation Requirement

Effective since the 2023/24 school year, all students working toward a B.C. Certificate of Graduation ("Dogwood Diploma") must successfully complete at least 4 credits in Indigenous-focused coursework. There is no change to the total number of credits required to graduate (80).

Career Education

Career Life Education is a graduation requirement at the Grade 10 level. Career Life Connections and the Capstone Project will be completed by all Grade 11 and 12 students.

Provincial Assessments

There are three Provincial Assessments students must complete for graduation:

- Numeracy Assessment in Grade 10;
- Literacy Assessment in Grade 10;
- Literacy Assessment in Grade 12.

Grades 10-12 At-a-Glance	
REQUIRED COURSES	CREDITS
Career Life Education (10)	4
Career Life Connections + Capstone (11/12)	4
Physical and Health Education 10	4
Science 10	4
Science 11 or 12	4
Social Studies 10	4
Social Studies 11 or 12	4
Math 10	4
Math 11 or 12	4
English Language Arts 10, 11, 12	12
Arts Education 10, 11, or 12 and/or Applied Design, Skills, & Technology 10, 11, or 12	4
Elective Credits	28
TOTAL CREDITS (16 credits must come from Grade 12 courses and 4 credits must have an Indigenous-focus)	52 + 28 = 80

THE ADVANCED PLACEMENT (AP) PROGRAM

The Advanced Placement (AP) Program challenges highly motivated students by exposing them to post-secondary course content and encourages the development of skills needed for academic excellence beyond high school. St. Andrew's Regional High School will be offering two AP courses.

OBJECTIVES OF THE PROGRAM

1. To prepare as many students as possible for optimum success at university
2. To provide students with an enriched and challenging academic program in the company of like-minded students
3. To develop and extend students' skills of acquiring, organizing and evaluating ideas and information
4. To stimulate students' critical and creative thinking skills as well as divergent and abstract thinking abilities
5. To nurture students' independence and autonomy in learning and communicating ideas
6. To broaden students' experiences through collaborative, structured interactions with experts from the community.

PRE-REQUISITES FOR THE PROGRAM

Because of the rigorous nature of the courses, students considering the program must:

- demonstrate consistent superior achievement in their academic subjects (honours marks)
- demonstrate high levels of self-discipline and motivation
- make a commitment to serious academic learning

PROGRAM OUTLINE

The program is offered in those areas where registrations warrant scheduling a class.

The two offerings included in the course selection are:

- AP English Language and Composition 12
- AP Calculus 12 (AB)

Grade 10 Courses	Grade 11 Courses	Grade 12 Courses
Composition 10 / New Media 10 Literary Studies 10 / Spoken Language 10 English Language Development 10	*EFP: Literary Studies + Writing 11 Literary Studies 11 English Language Development 11	*English First Peoples 12 English Studies 12 English 12/AP English Language & Composition
Workplace Mathematics 10 Foundations of Mathematics and Pre-Calculus 10	Workplace Mathematics 11 Foundations of Mathematics 11 Pre-Calculus 11	Pre-Calculus 12 Calculus 12 Pre-Calculus 12 / AP Calculus AB
Science 10	Earth Science 11 Life Sciences 11 (Biology) Chemistry 11 Physics 11	Anatomy & Physiology 12 (Biology) Chemistry 12 Physics 12
Social Studies 10	Comparative World Religions 12 (Religion 11)	20th Century World History 12 Physical Geography 12 Comparative Cultures 12 Law Studies 12 Philosophy 12 (Religion 12) Social Justice 12 (Religion 12)
Career Life Education	Career Life Connections (grade 11) <i>(outside the timetable)</i> Leadership & Service 11 Psychology 11	Capstone Project + Career Life Connections (grade 12) <i>(outside the timetable)</i> Leadership & Service 12 Psychology 12
French 10 Spanish 10	French 11 Spanish 11	French 12
Religion 10 – Christ and Culture	+Religion 11 – Comparative World Religions 12	+Religion 12 – Philosophy 12 +Religion 12 – Social Justice 12 Religion 12 – Science & Religion 12
Visual Arts 10 Theatre Company 10 Theatre Production 10 Concert Choir 10 Instrumental Music – Concert Band 10 Instrumental Music – Jazz Band 10 Dance Foundations 10	Art Foundations 11 Studio Arts 11 Theatre Company 11 Theatre Production 11 Concert Choir 11 Instrumental Music – Concert Band 11 Instrumental Music – Jazz Band 11 Film and Television 11 Dance Foundations 11	Art Foundations 12 Studio Arts 12 Theatre Company 12 Theatre Production 12 Concert Choir 12 Instrumental Music – Concert Band 12 Instrumental Music – Jazz Band 12 Film and Television 12 Dance Foundations 12
Foods 10 Computer Studies 10 Drafting 10	Food Studies 11 Computer Programming 11 Drafting 11 Marketing and Promotion 11 Graphic Production 11 (Yearbook / Photo-Journalism)	Food Studies 12 Computer Programming 12 Drafting 12 Graphic Production 12 (Yearbook / Photo-Journalism)
Physical and Health Education 10 Rowing Academy 10	Yoga 11 Fitness & Conditioning 11 Active Living 11 Rowing Academy 11	Yoga 12 Fitness & Conditioning 12 Active Living 12 Rowing Academy 12
Learning Support 10	Learning Support 11	Learning Support 12

***These courses fulfill the 4.0 credit Indigenous-focused graduation requirement.**

+These courses are also grade 12 Social Studies credits and are academically reportable to university.

GRADE 10 - 12 COURSES

Learning Support 10 – 12

The Learning Support Program provides support for students who need assistance with their academic courses. The program is to assist the student in learning and mastering skills that are not at grade level. In addition to improving academic skills, the program may also involve learning and practicing organizational skills, study strategies, anxiety managing strategies and/or extra time to complete tests/assignments if needed.

Specific content varies according to the needs of the individual student. Each student who attends a Learning Support block will either have an Individual Education Program (IEP) or a Student Support Plan (SSP). Students may also have a learning support block if they have been referred by the School Based Team (SBT). Students may work in small groups and/or individually. **Prerequisite:** Recommendation by administration, teachers, school counsellor, parents, and the Learning Support Coordinator.

ENGLISH LANGUAGE ARTS

English Language Arts is a foundational curriculum that equips students with the language and literacy skills they will need for success in school, community, career, and life. It provides students with the opportunity to become effective communicators, to develop and express their own ideas, and to think deeply and critically about the ideas of others. English is required at every grade and is an essential element in application to all university programs.

English Language Development 10 – 11 (Board Authority Authorized Course)

This course is designed to support students for whom English is a new language. Encouraging the use of visual materials for further linguistic and cultural integration, this course focuses on the four main English language skills of reading, writing, listening and speaking. Cross cultural themes are emphasized as discussion topics, and students will take part in field trips to enrich their Canadian experience. Academic literacy skills such as paragraph structuring, basic research and reading for details are also explored. All students focus on the four main English language skills and intercultural content; however, grade 11 students will participate in novel studies and additional expository writing exercises to help smooth their transition to English 10 and 11.

Grade 10 students must take one of the following two courses:

CHOICE #1: Composition 10 / New Media 10

This course will develop students' written communication through a critical process of questioning, exploring, and sampling. Students will work individually and collaboratively to explore and create coherent, purposeful compositions. Students will read and study compositions by other writers and consider a variety of styles as models for the development of their writing. The course builds students' writing competencies by introducing them to varied structures, forms, and styles of compositions. Students have opportunities to individually and collaboratively study, create, and write original pieces, exploring audience and purpose. They also develop their craft through processes of drafting, reflecting, and revising. It aims to reflect the new reality of our digital society by preparing students to critically explore digital media and develop into more responsible and creative digital citizens. Special topics in New Media studies include: social media and mental and physical health, freedom of expression, assessing media for bias and analyzing pop culture. Despite having a multimedia focus, core literacy skills such as comprehension strategies, writing processes and understanding of language features, conventions and structures will be practiced extensively.

CHOICE #2: Literary Studies 10 / Spoken Language 10

This course is designed to express the role of story, narrative, and oral traditions in expressing perspectives, values, beliefs, and point of view across cultures. Class discussion and presentations will provide opportunity for students to focus on developing their oracy skills and confidence with attention to linguistic and cognitive skills and physical and emotional expressiveness. Despite a focus on spoken language, core literacy skills such as comprehension strategies, writing processes and understanding of language features, conventions and structures will be practiced extensively. The course allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media. Giving students the choice of a range of literary topics allows them to follow their passion and at the same time:

- increase their literacy skills through close reading of appropriately challenging texts
- enhance their development of the English Language Arts curricular competencies, both expressive and receptive
- expand their development as educated global citizens
- develop balance and broaden their understanding of themselves and the world
- develop higher-level thinking and learning skills.

Grade 11 students must take one of the following two courses:

CHOICE #1: English First Peoples: Literary Studies + Writing 11

English First Peoples: Literary Studies + Writing 11 is an English Language Arts academic course that explores the following six Big Ideas:

- The exploration of text deepens understanding of one's identity, others, and the world
- First Peoples texts and stories provide insight into key aspects of Canada's past, present, and future
- First Peoples literature plays a role within the process of Reconciliation
- People understand text differently depending on their worldviews and perspectives
- Texts are socially, culturally, geographically, and historically constructed
- Self-representation through authentic First Peoples text is a means to foster justice.

Note: This course fulfills the new Indigenous-focused 4.0 credit graduation requirement.

CHOICE #2: Literary Studies 11

Literary Studies 11 allows students to delve deeply into literature. Students can explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media. Students' composition skills will be supported as they refine, clarify, and adjust their written communication through practice and revision. They will expand their competencies through processes of drafting, reflecting, and revising to build a body of work that demonstrates expanding breadth, depth, and evidence of writing for a range of situations. The course encourages students to:

- increase their literacy skills through close reading of appropriately challenging texts,
- enhance their development of the English Language Arts curricular competencies, both expressive and receptive,
- expand their development as educated global citizens,
- develop balance and broaden their understanding of themselves and the world,
- further develop higher-level thinking and learning skills.

Note: Composition Studies has been blended within the Literary Studies 11 course

Grade 12 students must take one of the following three courses:

CHOICE #1: English First Peoples 12

This course is fully developed and accredited by the Ministry of Education and is accepted by universities as an academic equivalent to English Studies 12. However, whenever possible authentic First Peoples texts and resources will be used to explore and develop strong communication skills. Students from all backgrounds and experiences will be provided with the opportunity to:

- Write, plan, develop, and create engaging and meaningful texts for a variety of purposes and audiences,
- Assess and refine texts to improve clarity, effectiveness, and impact,
- Respectfully exchange ideas and viewpoints from diverse perspectives to build shared understandings and extend thinking,
- Demonstrate speaking and listening skills in a variety of formal and informal contexts for a range of purposes,
- Analyze the influence of land/place in texts,
- Discern nuances in the meanings of words, considering social, political, historical, and literary contexts,
- Identify bias, contradictions, distortions, and omissions.

Note: This course fulfills the new Indigenous-focused 4.0 credit graduation requirement.

CHOICE #2: English Studies 12

The English Studies 12 course builds on and extends students' previous learning experiences in 10 and 11 courses. It is designed for all students and provides them with opportunities to:

- refine their ability to communicate effectively in a variety of contexts and to achieve their personal and career goals,
- think critically and creatively about the uses of language,
- explore texts from a variety of sources, in multiple modes, and that reflect diverse worldviews,
- deepen their understanding of themselves and others in a changing world,
- gain insight into the diverse factors that shape identity,
- appreciate the importance of self-representation through text,
- contribute to reconciliation by building greater understanding of the knowledge and perspectives of First Peoples,
- expand their understanding of what it means to be educated Canadian and global citizens.

CHOICE #3: English Studies 12 / AP English Language and Composition 12

Students will receive credit for both English Studies 12 and AP English Language and Composition 12 for a total of 8 credits. The AP course in English Language and Composition takes its curriculum from first-year college writing courses. The objective is to enable students to read and write effectively and confidently in their future studies across the curriculum and in their professional and personal lives. AP English Language and Composition 12 engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Students will read a wide selection of primary and secondary sources, and make observations about purpose, audience, genre conventions, style, and voice. They will write regularly, working to apply effective strategies and techniques to personal, analytical, expository, and persuasive topics. The process of creating and sustaining sound ideas based on careful research will be emphasized.

AP Exam Fee: \$130.00

Credits: 8 credits

Prerequisites:

- demonstrate consistent superior achievement in their academic subjects (honours marks),
- demonstrate high levels of self-discipline and motivation,
- make a commitment to serious academic learning,
- excellent English skills and work habits are required.

MATHEMATICS

At the Grade 10 - 12 level, the mathematics program is designed to meet the needs of different learners through three pathways: 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 academic advisor or school counsellor and/or potential university, college, technical school and other post-secondary education choices to insure they are meeting entrance requirements.

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, sequences & series.

Workplace Mathematics 10

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.

Prerequisite: Mathematics 9

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

Course Fee: \$35.00 (includes course workbook)

Foundations of Mathematics and Pre-Calculus 10

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.

Prerequisite: Mathematics 9

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

Workplace Mathematics 11

This program includes the following topics:

- Measurement of shapes including spheres utilizing both imperial and metric systems,
- Geometry,
- Financial math and budgets,
- Linear relations, and proportional reasoning and graphing.

Prerequisite: Workplace Mathematics 10

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

Course Fee: \$35.00 (includes course workbook)

Foundations of Mathematics 11

This course 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 measurement, geometry, logical reasoning, statistics, relations and functions and a mathematics research project. It is recommended that students check and confirm with their post-secondary plans for acceptance of the Foundations math pathway.

Prerequisite: Foundations of Mathematics and Pre-Calculus 10

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

Pre-Calculus 11

This course covers the following topics:

- Systems of linear and non-linear equations and inequalities,
- Quadratic functions and equations,
- Sequences and series
- Radicals, rational numbers, absolute value and reciprocal functions,
- Trigonometry
- Linear and quadratic inequalities.

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.

Course Fee: \$35.00 (includes course workbook)

Pre-Calculus 12

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 sequences & series. This course is only recommended for students who achieved at least 67% on the Pre-Calculus 11 final exam.

Prerequisite: Pre-Calculus 11: A minimum of 73% is recommended.

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

Calculus 12

This is a university prep course for students who have successfully completed Pre-Calculus 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.

Prerequisite: Pre-calculus 12. Physics 11 is recommended.

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

AP Calculus (AB)

The curriculum of AP Calculus is similar to the curriculum of the regular Calculus 12 course. Students will study differentiation and integration of a variety of functions. They will also use their calculus skills for a number of different applications such as optimization problems and related rates. AP Calculus goes beyond the regular Calculus 12 course with the inclusion of slope fields and determining volume of three-dimensional objects. AP Calculus is a challenging choice for students who are interested in mathematics. It is fast-paced and the level of difficulty is considerable. Students need to demonstrate high levels of self-discipline and motivation. At the beginning of May, the students will write a 3-hour, 15-minute AP exam. Success on the AP exam allows students to apply for credit for first year university mathematics courses.

AP Exam Fee: \$130.00

Prerequisite: Pre-Calculus 12: A minimum of 73% is recommended.

Physics 11 is recommended.

Equipment: A graphing calculator is required. TI 84 or TI84 plus is recommended.

SCIENCES

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

Science 10

Science 10 at St. Andrew's follows the new BC curriculum which is a survey of different science disciplines and skills. Our Grade10 science program includes:

- Earth Science: Energy transformations and the effect on life and the environment.
- Chemistry: Modeling atoms and compounds, reactions, energy, and nuclear chemistry.
- Space Science: The Big Bang Theory and the formation of the universe
- Biology: Genetics – Natural and artificial selection, DNA and heredity, ethical considerations of genetics.

Prerequisite: Science 9

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

Chemistry 11

Chemistry is a very challenging course. There is an emphasis on mathematical skill and algebraic problem solving. This course prepares students for Chemistry 12 and post-secondary chemistry courses. The Big Ideas for this course are:

- Atoms and molecules are the building blocks of matter.
- Solubility within a solution is determined by the nature of the solute and the solvent.
- Matter and energy are conserved in chemical reactions.
- The mole is a quantity used to make atoms and molecules measurable.
- Organic chemistry and its applications have significant implications for human health, society, and the environment.

The topics covered are lab safety, a 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. Chemistry 11 requires strong math skills and approximately 3-7 hours/week of study time outside of class. Evaluation is based on (but not limited to): assignments, lab work and reports, project work, tests, quizzes, and a school-wide final examination.

Prerequisite: Science 10 and Foundations of Mathematics & Pre-Calculus 10 with at least a B average is recommended.

Physics 11

Physics 11 is a survey course and covers the following topics: kinematics in one and two dimensions, dynamics, mechanical energy, optics and waves, Electric Circuits, and comparisons of the major branches of Physics and Engineering. There is a large lab component and an emphasis on multi-step problem solving skills.

Prerequisite: Science 10 and Foundations and Pre-calculus 10: A minimum of 67% is recommended in both courses.

Equipment: A scientific calculator is required.

Life Sciences 11 (Biology 11)

Life Sciences 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 Five Kingdoms of Organisms: Monera, Protista, Plantae, Fungi, and Animalia. A hands-on approach is emphasized in this course. Laboratory activities include culturing bacteria, testing effectiveness of antibiotics, and dissections. Field trips are often a part of this course. Students learn several biological skills and scientific processes.

Prerequisite: Science 10

Earth Science 11

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.

- 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

Prerequisite: Science 10

Note: Earth Science 11 fulfills the Science 11 graduation requirement, but is not recognized by every university for program admissions.

Chemistry 12

This challenging and interesting course includes lectures, individual work, demonstrations, and labs. Course content includes 5 compulsory topics: Reaction rates, Equilibrium, Solubility, Acids, bases and salts in solution, and Electrochemistry. 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. This course is only recommended for students who achieved at least 67% on the Chemistry 11 final exam.

Prerequisite: Chemistry 11 and Pre-calculus 11: A minimum of 73% is recommended in both courses.

Equipment: A scientific calculator is required.

Physics 12

Physics 12 provides grounding in the discipline of physics and covers the following topics: two-dimensional dynamics, impulse and conservation of momentum, static equilibrium, circular motion and gravitation, electrostatics, electromagnetism and Einstein's Special Theory of Relativity. This course is very mathematical and relies 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 and who achieved at least 67% on the Physics 11 final exam.

Prerequisite: Physics 11 and Pre-Calculus 11: A minimum of 73% is recommended in both **AND** Pre-Calculus 12: A minimum of 67% is recommended.

Equipment: A scientific calculator is required.

Anatomy and Physiology 12 (Biology 12)

Anatomy and Physiology 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. This course follows a sequence from cell structure to simple biochemical processes, to the organ systems 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.

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

SOCIAL STUDIES

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

Social Studies 10

Canada and the World: 1914 – Present

This course will cover areas of Canadian History and Canadian Government & Law.

Students will be learning and sharing many events under the following topics:

- Canadian Government
- First Peoples Governance
- Political Institutions & Ideologies
- Canadian Autonomy
- Canadian Identities
- Mistreatment of Minorities in Canada
- Human Rights abuses in Canada
- Domestic conflict & cooperation
- International conflicts & cooperation

Prerequisite: Socials Studies 9

Social Studies 11 – Please see Religion 11

Social Studies 12:

All require Social Studies 10 as a prerequisite.

Comparative Cultures 12

This course is designed to help students learn about ancient and modern cultures and civilizations, particularly Greece, Rome, and the Middle Ages. Topics will include art, mythology, literature, philosophy, technology, law, medicine, rhetoric, music, and daily life. There will be practice interpreting primary documents that illustrate 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 questions about human nature, society, and civilization and to research topics of their choice.

20th Century World History 12

History 12 covers 20th 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.

Course Fee: \$45.00 (includes course workbook)

Physical Geography 12

This course investigates the fundamental purpose of geography - to describe the Earth's physical, natural and human environments and the interactions between these environments.

- | | |
|---|-----------------------------|
| 1. Earth's Surface and Tectonic Processes | 5. Energy |
| 2. Gradational Processes | 6. Managing our Environment |
| 3. Weather and Climate | 7. Mapping Skills |
| 4. Biosphere | |

Course Fee: \$45.00 (includes course workbook)

Law Studies 12

In this course, students will explore the following four Big Ideas:

- Understanding legal rights and responsibilities allows citizens to participate more fully in society.
- Laws can maintain the status quo and can also be a force for change.
- A society's laws and legal framework affect many aspects of people's daily lives.
- Laws are interpreted, and these interpretations may evolve over time as a society's values and worldviews change.

Comparative World Religions 12 – See Religion 12

Philosophy 12 – See Religion 12

Social Justice 12 – See Religion 12

PERSONAL DEVELOPMENT

Career Life Education

Career Life Education (CLE) is a required four-credit course for graduation which continues to build on the K-9 base of career experience and knowledge. Students will complete CLE in Grade 10 as well as begin their career-life exploration component, which requires 30 hours of documented work / volunteer experience by graduation. CLE will introduce the requirements for graduation, including the 4 credit Career Life Connections course in Grade 11 and 12 and the capstone project.

In CLE, students will explore the following Big Ideas:

- Career-life choices are made in a recurring cycle of planning, reflecting, adapting, and deciding.
- Career-life decisions are influenced by internal and external factors, including local and global trends.
- Cultivating networks and reciprocal relationships can support and broaden career-life awareness and options.
- Finding balance between personal and work life promotes well-being.
- Lifelong learning fosters career-life opportunities.

The three content areas covered in CLE are Career-Life Development, Connections to Community, and Career Life Planning.

Career Life Connections + Capstone Project 11/12

Career Life Connections (CLC) and the Capstone combined is a 4 credit BC Ministry of Education course required for graduation. CLC focuses on applying personal career-life management knowledge, skills, and strategies to one's own personal life journey. CLC requires 30 hours of in-class instruction, 30 hours of career-life exploration (work/volunteer experience), the 30 hours in the completion and presentation of a capstone project in Gr. 12, and one-on-one mentorship.

Note: This course is outside the timetable. CLC will take place during approximately one Focus Block per week in both Gr. 11 and Gr. 12.

Leadership and Service 11/12

Students in this class are required to build, create, and facilitate all school wide Retreat Days within a developed student-led approach under supervision. Students need to be willing to explore personal strengths and challenges, be open to growth, self-motivated, able to meet deadlines and willingness to broaden personal leadership style. Students will expand knowledge and experience by planning, organizing, and creating teambuilding faith filled days for school community. Students will be trained in a variety of skills like public speaking, speech writing, delivering presentations, time management, and project building. This course will interest students who are work well in group situations, work well with others, and enjoy leading. The main focus of this course is to be of service to the school community as Retreat Leaders from grade 8 to grade12 as they develop personal leadership styles.

Prerequisite: This class has a limited size for students. Acceptance is determined by the instructor.

NOTE: *Practical service hours:* Set up and retreat days count towards volunteer hours needed for graduation. *Letter of reference:* Upon completion of this course a written letter of recommendation is provided for students, if needed.

Psychology 11

The social science of psychology considers the predictable and not-so-predictable behaviour of humans. This course acts as an introduction to concepts, theories, and research findings of modern psychology. We will learn about research methods, the biological bases of behaviour, states of consciousness, sensation and perception, and stress and clinical psychology. Students will engage in various inquiries, experiments, examinations, and discussions dealing with a variety of issues to better understand human nature.

Psychology 12

Psychology 12 students will explore positive psychology, developmental psychology, and social psychology. Positive Psychology is the psychology of well-being, which we will explore through various experiments. Developmental psychology explains growth, change, and consistency through the lifespan. Developmental psychologists aim to explain how thoughts, feelings, and behaviours change throughout life. Social psychology, meanwhile, is the scientific study of how people's thoughts, feelings, and behaviours are influenced by the actual, imagined, or implied presence of others which details the influence of groups and societal behaviour upon the individual. Please note that many universities do not accept this course as an approved academic course.

LANGUAGES

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

French 10

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.

Prerequisite: French 9

Course Fee: \$15.00

French 11

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.

Prerequisite: French 10

Course Fee: \$15.00

French 12

French 12 continues to follow concepts of the AIM program for language acquisition. Oral communication continues to play a large role in French 12. Students engage in meaningful conversations on topics which are important to them and they are able to express themselves effectively, with increasing fluency and accuracy, both orally and in writing. They respond personally to a wide variety of texts and work at narrating their own stories by using strategies to support communication. Students work toward obtaining certification in French with a Diplôme d'études en langue française (DELF) as validation of their ability to communicate in French.

Prerequisite: French 11

Course Fee: \$15.00

Spanish 10

This is a continuation of the process begun in Spanish 9. Oral communication continues to be emphasized through the TPRS (Teaching Proficiency through Reading and Storytelling) method and the stories and songs covered evolve in grammatical and lexical complexity. Written communication reiterates this learning and is enhanced by studying grammatical rules and spelling. Hispanic culture such as history, traditions, songs and stories are also used as material for discussion and written work.

Prerequisite: Spanish 9 or equivalent

Course Fee: \$15.00

Spanish 11

This course seeks to develop the students' complexity of expression in and comprehension of the Spanish language through the continuation of the TPRS (Teaching Proficiency through Reading and Storytelling) method as started in prior years as well as the inclusion of more authentic texts and special topics in Spanish grammar. Oral communication plays a large role in the classroom along with frequent writing and translation activities. Hispanic culture continues to be integrated through a variety of media.

Prerequisite: Spanish 10 or equivalent

Course Fee: \$15.00

RELIGION

Religion is a mandatory course at St. Andrew's Regional High in each grade. All religion courses include a one-day school retreat. Grade 12 students can choose or more of the grade 12 options.

Religion 10 – Christ and Culture

Required 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 people of faith in the shaping of our culture.

Religion 11 – Comparative World Religions 12

Through the lens of our school's Canadian Catholic identity, this course uses the BC Ministry of Education's new Social Studies 11/12 curriculum, "Comparative World Religions 12" to study the main religions of the world, including aboriginal spirituality. The purpose of this course is for students to develop an understanding of different belief systems and an appreciation of the shared aspects of human experience. Textbook used is *World Religions: A Canadian Catholic Perspective* (Nelson/Novalis).

As a result of their learning, students will develop a deep understanding of the following ideas:

- Religious belief, across time and place, is a common aspect of many human cultures.
- Religion can powerfully shape social, political, legal, and environmental values.
- Comparing beliefs provides insights and understanding of diverse global cultures and peoples.
- An individual's search for existential insight and transcendence can be shaped by different religious, spiritual, or philosophical traditions.

Note: This course will appear on your transcript as Comparative World Religions 12. It is 4 credit course, but fulfills a Social Studies requirement and a Religion requirement. Please note that for many universities this is an academically approved course.

Religion 12 – Philosophy 12 (Ethics and Morality)

This course educates young men and women to see themselves as moral persons living the way of Jesus Christ. The course examines ethical theories, the revelation of Sacred Scripture and the experience and teaching of the Catholic Church. The goal is to inspire in students a desire for the ‘good life’ and a ‘just society’. Students use the text, *In Search of the Good: A Catholic Understanding of Moral Living* (CCCB).

Note: For many universities this is an academically approved course.

Religion 12 – Social Justice 12

Through the lens of Catholic social teachings, this course uses the BC Ministry of Education’s Social Studies 11/12 curriculum, Social Justice 12 to study the causes and consequences of local, national, and global injustice. Students will analyze solutions by understanding how social change has occurred in the past. The purpose of this course is to explore how students can have an impact on the decisions made in their society and advocate for causes important to them. Students will also understand the importance of being open to new ideas and civil to those with whom they disagree in creating a healthy and vibrant democracy. As a result of their learning, students will develop a deep understanding of the following ideas:

- Social justice issues are interconnected
- Individual worldviews shape and inform the understanding of social justice issues
- The causes of social injustice are complex and have lasting impacts on society
- Social justice initiatives can transform individuals and systems.

Note: For many universities this is an academically approved course.

Religion 12 – Science and Religion

In this time and space many students are not only considering a career in science but are living in a world that is changing rapidly because of developments in science and consequently technology. This course encourages students to discover the similarities and differences in the methods used by Science and Theology in their search to discover truth. Moreover, this course supports students as they explore how the scientific discoveries of the last 125 years have changed our view of the universe and consequently have affected theology. It is expected that this course will help students become aware that science and religion complement one another and that a person can be a scientist and a person of faith.

Prerequisite: One or more of Biology 11, Chemistry 11, Earth Science 11 and / or Physics 11

FINE ARTS

The fine arts program is comprehensive and diverse, allowing students the opportunity to explore many visual and performing arts.

Visual Arts 10

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.

Course Fee: \$35.00

Art Foundations 11/12

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.

Prerequisite: Art 9/10 is recommended

Course Fee: \$35.00

Studio Arts 11/12 (Drawing and Painting)

Studio Arts 11 / 12 provides 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 / 12 provides 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.

Prerequisite: Art Foundations 11/12 is recommended

Course Fee: \$50.00

Theatre Company 10 – 12

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.

Prerequisite: Drama 8 or 9, Audition

Course Fee: \$50.00

Theatre Production 10 – 12

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.

Prerequisite: Permission of Teacher

Course Fee: \$40.00

Dance Foundations 10/11/12

Introduction to various styles of dance:

- Basic warm-up techniques, dance steps and combinations in small and large group settings
- Development of a deeper understanding of the roots of the various dance forms through exploration, projects and choreography
- Exploration of the student's individual movement style.

Students can take this course in grade 10, 11, and 12.

Concert Choir 10 – 12

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

Prerequisites: CC 10 – Some previous Choir Experience / CC 11 – CC 10 or permission of instructor
CC 12 – CC 11 or permission of instructor

Instrumental Music – Concert Band 10 – 12

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

Prerequisite: CBA 10 - Some previous Instrumental Experience / CBA 11 – CBA 10 or permission of instructor, CBA 12 – CBA 11 or permission of instructor

Equipment: Students must provide their own instruments

Instrumental Music Jazz Band 10 – 12

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

Prerequisite: Band 8 or previous Band experience

Film and Television 11/12

In Film and Television, students learn about how to identify and describe the components of film and filmmaking, and they 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 and contemporary 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

Prerequisite: Willingness to engage with films from different eras and a creative imagination.

APPLIED DESIGN, SKILLS, AND TECHNOLOGIES (ADST)

These courses meet the applied design, skills, and technologies requirement for the graduation program.

Computer Studies 10

Computer Studies 10 is an ideal course for students who enjoy working with computers. There are no prerequisites. The focus of the course is split between text-based programming with Python, and other topics such as the history and evolution of digital technology, ethics and current issues in technology, computer hardware, operating systems, and technological infrastructure.

Computer Programming 11

Computer Programming 11 is a course focusing on writing and interpreting text-based Python code. Students will be expected to achieve proficiency in writing programs that involve conditionals and control flow, iterative processes, user input, and variables and functions. Students will also learn about ethics and current issues in information technology, base conversions involving binary and hexadecimal, the evolution of computer technology, computer hardware and operating systems, and career options in information technology. There are no prerequisites but a willingness to learn and use math is a must.

Computer Programming 12

Computer Programming 12 is a course focusing on writing and interpreting text-based Python code. Students will be expected to achieve proficiency in writing programs that involve conditionals and control flow, iterative processes, user input, variables and functions, and search algorithms. Students will also learn about ethics and current issues in information technology, base conversions involving binary and hexadecimal, the evolution of computer technology, computer hardware and operating systems, and career options in information technology. Students taking courses in related topics such as mathematics, calculus, or physics will have the opportunity and guidance needed to write programs addressing problems in these disciplines. There are no prerequisites.

Drafting 10-12 (NEW!)

This is an introductory course for students wishing to explore basic concepts in the areas of design and drafting through the use of computers. Topics include 2-dimensional drafting and an introduction to architectural drafting. Students will complete a 3D rendering of their house design. Software used in this course might include Sketchup and Vectorworks. This course is great for students looking to enter careers in Engineering, Architecture, Interior Design, Fashion Design, or the Trades.

Food Studies 10 – 12

Love to bake, or still can't make toast? Foods is the place for you! Throughout your participation in Food Studies, you will be enabled to develop the knowledge, attitudes, and necessary food-preparation techniques to prepare nutritious, tasty, attractive foods in a cost and time-effective manner. Instructional topics will include: kitchen safety, food safety, nutrition, meal preparation, culinary techniques, and food presentation. Students will engage in both theory lessons and hands on practical lab sessions. Enrollment interest will determine class composition between grades.

Prerequisite: None required

Course Enrichment Fee: \$75.00

Food Safe BC Exam Fee: \$25.00

Graphic Production 11 – 12 (Yearbook / Photojournalism)

Students in this class are expected to be self-motivated, able to meet deadlines, and dedicate time outside of class to this project. The focus of this course is to create and publish the school yearbook. 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.

Prerequisite: This class has a limited size. Acceptance is determined by the instructor.

Marketing and Promotion 11

Marketing 11 will explore marketing techniques in many different fields. Students will have the opportunity to market St. Andrew's Regional High School in collaboration with the International Program, market different events within our school community and be part of the Young Entrepreneurs Show that give students the opportunity to apply business and marketing skills in the creation of a small business.

Prerequisite: Acceptance is determined by the instructor.

Accounting 12

Accounting 12 is designed to teach the student the fundamentals of accounting. It is expected that students will:

- Explain the role of accounting in business
- Understand debit and credit entries and main financial documents
- Account for payroll and inventory
- Study tax systems for businesses and personal taxes
- Understand corporate structure including stocks, retained earnings and dividends.

Prerequisite: Foundations and Pre-Calculus 10

PHYSICAL AND HEALTH EDUCATION (PHE)

These programs provide opportunity for athletic development.

Physical and Health Education 10

This class is a combination of classroom learning and physical activity participation. Students acquire the knowledge and skills to take responsibility for their health and well-being by learning different methods of exercise, how to perform them correctly, and how to properly plan fitness activities, all while emphasizing the development of a good attitude toward lifetime physical activities. Students learn and apply the following health skills from the BC Ministry of Education: Accessing Information, Analyzing Influences, Decision Making, Goal Setting, Interpersonal Communication, Self-Management, and Advocacy. Health-related fitness components emphasized include cardiovascular fitness, muscular strength, muscular endurance, flexibility, and body fat control. Skill related fitness components emphasized include balance, coordination, reaction time, agility, power, and speed. The skills above are taught through units including but not limited to nutrition, body conditioning, team sports, and individual activities. Additional units covered include destructive decisions (covering such topics as use/abuse of alcohol, drugs, and tobacco), coping with stress, mental health and well-being, being an informed consumer, and promotion of health within the school and community. All students are required to have a Physical Education uniform. Proper gym attire consists of a navy shirt, navy or black shorts and/or sweat suit with the St. Andrew's logo on it. Indoor only non-marking athletic shoes. When outdoors, students need outdoor shoes and soccer cleats are recommended.

Yoga 11/12

Yoga is a series of stretching, strengthening and balancing postures that focus on movement with the breath. Students will learn the general poses of Yoga along with breathing and relaxation techniques. Yoga 11/12 also presents students with the opportunity to investigate various modern styles of Yoga. This course benefits those of any level who are looking to improve their overall health and well-being. Physical benefits of yoga include improved strength, flexibility, and endurance. Mental and emotional benefits include improved focus, self-awareness, confidence, and general well-being.

Note: Yoga 11/12 can be taken in BOTH Grade 11 or 12 with alternating curriculum.

Prerequisite: None required

Course Fees: \$40.00 for supplementing costs of guest instructors

Fitness and Conditioning 11/12

Students will be introduced to various training methodologies and energy systems. Selection of activities will depend on student abilities, course requirements and the availability of facilities. Students will be creating their workouts and training schedules for the semester. Additionally, students will evaluate influences of food choices and eating patterns on physical performance along with examining aspects of proper nutrition and fueling. This class requires to be independent and intrinsically motivated. Students will also be required to ensure that they have proper exercise gear like, but not limited to, proper indoor and outdoor footwear, proper west coast outdoor clothing.

Prerequisite: PHE 10 or permission of the teacher

Active Living 11/12

This course will help students understand the importance of lifelong physical activity and active health. Students will be introduced and exposed to many different games, sports and activities with the hopes that they will be able to continue having physical activity in their daily lives. Students will be part of the planning process for this class and will be able to participate not only in activities at the school but will also be able to see what the greater community has to offer. This course has a fee of \$200.00 to pay for fees related to the community activities. The nature of this program is such that students should expect and be prepared to commit to classes that extend outside "normal" school hours.

Prerequisite: PHE 10 or permission of the teacher

Fees: \$250.00

Rowing Academy 9-12 (NEW!)

This program will build on the past successes and tradition of rowing at St. Andrew's by providing an excellent opportunity for a comprehensive program to offer our students. The main end goal is to prepare to compete at the Canadian Rowing Championships in June. The focus of the academy will be 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. It will be held in one linear block during the year within the regular timetable. Rowing for the school team in the fall is mandatory. Physical Education 10-12 components include: Strength Training, Fitness and Conditioning, Safety and Fairplay, Leadership. Applied Skills 10-12 components include: Nutrition Program, Sports Psychology, Physiology of Rowing, Coaching, Boating Certification. An information meeting will be held by coach Kim Arthurs in May.

Fees: TBD (includes rowing registration, testing / specialists, uniform, and transport)