Southpointe
ACADEMY

Programme of Studies Guide 2018-2019

Contents

Course Selection Process – 2018-2019

Dear Parents and Students,

I am pleased to share with you our 2018-2019 Programme of Studies Guide highlighting the courses and programs on offer to students. We ask parents to please review the guide with their child, selecting courses that not only excite and engage, but that challenge, too.

Course selection provides one of those pivotal moments in a student's academic career as it shapes the elements of an individual's future direction and options. We take the process seriously and understand that every individual has specific commitments both in and out of school that will be influenced by family responsibilities, leadership opportunities, performing arts activities and pursuits, athletic commitments, and community involvement. All may have an impact upon, and must be considered, when planning for your son or daughter's academic program.

A deeper understanding of the relationship between career development, post-secondary options, and planning for success is developed through the Grades 6-12 Career Education Programme which utilizes *MyBluePrint* to help guide students through their formative years towards graduation. The portfolio of work students build in *MyBluePrint* during the middle years is designed to inform, support and guide their choices during the graduation years. By Grades 9 and 10, students are encouraged to consider their plans for further education when deciding upon their courses of study; therefore, they must be aware of admission requirements at various post-secondary institutions before making course selection choices. Students should understand that specializing too early or without breadth may limit future opportunities. For example, Advanced Placement college level courses in Grades 11 and 12 are an excellent way for students to gain further exposure to more challenging content and rigorous assessment across a variety of subjects and disciplines, but require planning in regards to entry prerequisites needed and the additional study time involved to complete successfully.

During the period prior to course selection, as well as during course selection itself, students should seek support for their decisions with frequent visits and chats with Mrs. Kirkwood, University and Career Counselor. Mrs. Kirkwood is always happy to meet with students as well as with parents to help inform, support, advise, and guide students in their course selection process. Students can also seek the advice of specific subject Department Heads, subject teachers, as well as his or her teacher Advisor and Guidance Counselor.

Course registration numbers are a determinant factor in dictating whether a course will run. Typically, courses with less than eight students may not run. Other factors we consider include the availability of subject specialists for a particular course and room availability. In the cases where your first choice is not available, we ask that students select an alternative course.

While the process of course selection can be stressful, it also signals the start of an exciting new chapter in the lives of all our scholars, so relax and breathe and try and enjoy the process.

Yours truly,

Mr. Cogan
Senior School Principal

The Graduation Years Programme

The B.C. Certificate or "Dogwood Diploma" is awarded to students who successfully complete the provincial graduation requirements.

If you are entering Grade 10 or 11 in 2017-2018 or later you are on the 2018 Graduation Programme. To graduate, you will require 80 credits total – with a minimum of 16 at the Grade 12 level, and 28 elective course credits.

The following table outlines graduation requirements:

Required Courses	
Subject Area	**Minimum Credits**
English 10	4
English 11	4
English 12	4
Math 10	4
Math 11 or 12	4
a Fine Arts and/or Applied Skills 10, 11 or 12	4
Social Studies 10	4
Social Studies/Social Sciences 11 or 12	4
Science 10	4
Science 11 or 12	4
Physical Education and Health 10	4
TOTAL	**44 credits**
Elective Credits	
Students must earn an additional 28 elective credits in Grades 10-12	**Minimum Credits**
28 credits	
TOTAL	**28 credits**
Career Education	
Career Life Education	4 credits
Career Capstone Project	4 credits
OVERALL TOTAL	**80 credits**

Please note, of the 80 credits for graduation, 16 must be at the Grade 12 level, including a Grade 12 Language Arts course. Others may be required or elective credits.

While the Graduation Years Program focuses firstly on seeing students in Grades 10-12 meet B.C. Ministry of Education requirements for graduation, it is also vital in preparing students for future study at their post-secondary institutions of choice.

Course Selection – Graduating Years

All full-year courses in Grades 10 through 12 are valued at 4 credits each, or 8 credits for an accelerated course. Although English courses in Grades 10 and 11 in the new BC Curriculum have been designated 2 credit courses, we have combined these courses to cover all 4 credits during selection.

Grade 10

In order to graduate in British Columbia, students are required to complete certain mandatory courses and credits in Grade 10, as well as in Grades 11 and 12. While English, Math, Science, Social Studies, PE, and Career Education are required for all students, there are additional enrichment opportunities during the graduation years. These enrichment options are in the form of Honours courses* and AP Seminar that provide material and challenge beyond the provincial prescribed learning outcomes, as well, as in the case of Math, the opportunity for acceleration through two grades. In Grade 10, students complete 6 mandatory courses and 2 electives. Please note that for graduation purposes, all students must complete at least one Fine/Performing Arts, or Applied Skills course during Grades 10, 11, or 12. There are also opportunities to take additional courses outside the regular timetable via an 'X' Block option. These courses run at a time organized by the teacher and equate to a 95-hour course.

**For all Honours courses, please check prerequisite eligibility requirements in the section devoted to course descriptions.*

Grade 11

By the time a student has arrived in Grade 11, they should have begun identifying desirable post-secondary programs and will have researched relevant admission requirements; therefore, students should begin to focus their course selection towards specific admission requirements of courses and faculties that interest them. Many Canadian post-secondary institutions use the final Grade 11 grades to fulfill their early admission requirements. UBC, for example, will admit students conditionally for early admission based on final Grade 11 results. Students should also have the required Grade 11 prerequisites for Grade 12 courses as well as to meet the university admission requirements. Please note that universities such as UBC require students who wish to take sciences to have Physics 11 and Chemistry 11. For those students wishing to apply to either UBC or SFU, we offer either French or Spanish to satisfy a second language requirement for entry at these universities.

Students in Grade 11 have mandatory courses in English and Math, and must choose at least one Science, and one Social Science. Also, students in Grades 10-12 must have completed at least one Fine/Performing Arts, or Applied Skills course to graduate.

Students must register for a minimum of 7 courses. There are also opportunities to take additional courses beyond the regular timetable via an 'X' Block option. These courses run at a time organized by the teacher and equate with a 95-hour course. The use of a non-credit unsupervised study block can help students stay on top of course load requirements. Students taking 2 AP courses may apply for an additional study hall.

**For all Honours courses please check eligibility via prerequisite requirements in the section devoted to course descriptions.*

Grade 12

An English course forms the only mandatory component in Grade 12, while students are also required to complete a minimum of three other Grade 12 credit courses prior to graduation. In order to be competitive, it would be wise to have more than four Grade 12 academic courses. For those students who have already completed English 12 during their Grade 11 year, they will be required to select at least one course from a Humanities list. The admission requirements for post-secondary courses and faculties of choice should shape a Grade 12 student's schedule. Students should endeavour to organize manageable course loads that allow for leadership and service opportunities, but that are also specific to post-secondary entrance requirements and future educational plans.

Students must register for a minimum of 7 courses.

Grade 11 course selections will impact the Grade 12 selection process. Making use of the advice and guidance provided by the University and Career Counselor will assist in a smoother transition.

There are also opportunities to continue taking additional courses outside the regular timetable via an 'X' Block option. These courses run at a time organized by the teacher and equal a 95-hour course. Moreover, the use of non-credit unsupervised study blocks may help students tackle course load requirements.

All Grade 12 students are required to complete and submit either a Ministry-Prescribed Grad Transition Plan or a Career Capstone Project which outlines a student's post-school career plan prior to final exams. Each option is worth 4 credits. The University and Career Counselor works, in conjunction with Advisors, with all graduating students to develop a plan that meets the Prescribed Learning Outcomes, leading to successful completion.

Mandatory Courses Required

GRADE 10	GRADE 11	GRADE 12
ENGLISH	1 ENGLISH Course	At Least 1 English or 1 Humanities Course
MATH	1 MATH Course	ELECTIVE
SCIENCE	At Least 1 SCIENCE Course	ELECTIVE
SOCIAL STUDIES	At Least 1 SOCIAL SCIENCE Course	ELECTIVE
FRENCH or SPANISH	ELECTIVE	ELECTIVE
PE and HEALTH	ELECTIVE	ELECTIVE
ELECTIVE	ELECTIVE	ELECTIVE
ELECTIVE	ELECTIVE	ELECTIVE

Course Selection Schedule

The course selection process starts with the launch of the Course Selection Awareness Week which is designed to help students navigate their way through the process. During the week various sessions, drop-in opportunities, and grade meetings are organized to facilitate student engagement, guidance, and support in all aspects of the course selection process. Students will have the opportunity to gain additional information and advice regarding course selection, and also have an opportunity to talk to subject departments specifically about course descriptions, prerequisites, and other areas of concern.

A Course Selection Fair will immediately follow the conclusion of the Course Selection Awareness Week and is primarily designed for parents as well as students to answer any final questions that may still be lingering.

Please see below for further information on these and other important course selection events:

SCHEDULE	DATE
Course Selection Awareness Week	February 19 to 23, 2018
Course Selection Fair:	Monday, February 26, 2018
• Current Grade 9	5:45pm-6:30pm
• Current Grade 10	6:30pm-7:15pm
• Current Grade 11	7:30pm-8:15pm
Course Selection Opens	Tuesday, March 6, 2018
Course Selection Closes	Friday, March 16, 2018 at Noon

A Course Selection Awareness Week schedule will be emailed home and can be found on various sites including Google Classroom and in the *Midpointe*.

The Middle Years Programme

The International Baccalaureate® (IB) Middle Years Programme (MYP) is offered to students in Grades 6 to 9. It allows the MYP to build on the knowledge, skills and attitudes developed by the IB Primary Years Programme (PYP), while fully preparing students for the demanding requirements of the pre-AP and AP courses in Grades 10 to 12.

The programme is designed to encourage and support students in making practical connections between their studies and the real world, preparing them for success in future post-secondary study, and in life. The MYP aims to develop active learners and internationally-minded young people who can empathize with others and pursue lives of purpose and meaning. The programme empowers students to inquire into a wide range of issues and ideas of significance locally, nationally and globally. The result is young people who are creative, critical and reflective thinkers who have an understanding of global challenges and a commitment to act as responsible citizens.

Sustained inquiry forms the centrepiece of the written, taught, and assessed curriculum in the MYP programme. While the programme maintains the mission and philosophy of the IB through the careful nurturing of students challenged to inquire, act, and reflect, the MYP curriculum also satisfies the BC provincial curriculum and core competencies. Student work is assessed by teachers on an on-going basis using criteria developed and established by the International Baccalaureate. While we are responsible for setting and marking all coursework, projects, and exams, the IB provides rigorous external moderation to validate our assessment standards within the IB world of schools.

While the programme of study provides depth in each discipline, the focus is on their interrelatedness through a conceptual framework, and learning within a global context. The International Baccalaureate® (IB) Middle Years Programme (MYP) comprises eight subject groups:

- Language acquisition
- Language and literature
- Individuals and societies
- Sciences
- Mathematics
- Arts
- Physical and health education
- Design

The MYP requires at least 50 hours of teaching time for each subject group in each year of the programme.

Each year, students in the MYP also engage in at least one collaboratively planned interdisciplinary unit that involves at least two subject groups.

Approaches to Teaching and Learning

The MYP aims to help students develop their personal understanding, their emerging sense of self and responsibility in their community. Teaching and learning in the MYP is underpinned by the following concepts:

Teaching and learning in context

Students learn best when their learning experiences have context and are connected to their lives and their lived experiences.

Using global contexts, MYP students develop an understanding of their common humanity and shared guardianship of the planet through developmentally-appropriate explorations of:

- identities and relationships;
- personal and cultural identity;
- orientations in space and time;
- scientific and technical innovation;
- fairness and development;
- globalization and sustainability.

Conceptual Understanding

Concepts are big ideas that have relevance within specific disciplines and across subject areas. MYP students use concepts as a vehicle to inquire into issues and ideas of personal, local and global significance and to examine knowledge holistically. The MYP prescribes sixteen key interdisciplinary concepts along with related concepts for each discipline.

Approaches to Learning Skills (ATL)

A unifying thread throughout all MYP subject groups, Approaches to Learning (ATL) skills provide the foundation for independent learning and encourage the application of their knowledge and skills in unfamiliar contexts. Developing and applying these social, thinking, research, communication and self management skills helps students learn how to learn.

Service as Action, through Community Service

Action and service have always been shared values of the IB community.

Students take action when they apply what they are learning in the classroom and beyond. IB learners strive to be caring members of the community who demonstrate a commitment to service–making a positive difference to the lives of others and to the environment. Service as action is an integral part of the programme, namely in Year 4 where students work on the Service Learning culminating project, the MYP community project.

Course Selection – MYP

Please read the following information carefully before making your selections for your child. If you have questions, please see Mrs. Kusel or your advisor. Please complete the Course Selection Form by Friday, March 16, 2018 at noon.

Grade 6

Course selection for Grade 6 includes:

- Choosing between **Spanish** and **French**

  Spanish 6 students will be introduced to a new and wonderful language, widely-spoken across the world and spoken by more than 420 million people as a first language in more than 20 countries. Students will learn the sound system, pronunciation, functional vocabulary related to everyday life, cultural information and basic grammatical structures. Emphasis will be on the acquisition of the four skills: speaking (interviews, role plays, surveys), listening (songs, short videos, recorded dialogues), writing (spelling, simple sentences, short/structured paragraphs), and reading (authentic and modified texts, short readings and a novel).

  French 6 students continue to immerse themselves in Canada's second official language, opening opportunities to them not only in Canada, but across the world in any of the 29+ countries that have French as an official language. Students will learn how to express opinions and information in French using functional vocabulary related to everyday life (such as being able to order food in French), cultural information and basic grammatical structures. Emphasis will be on the acquisition of the four language competencies: Listening, speaking, reading and writing.

Grade 8

Course selection for Grade 8 includes:

- Choosing between **Drama** and **Band**

  Band 8 students form a constituent part of the Concert Band. Grade 8 students learn the recognized masterwork of the concert band repertoire. By the time they graduate, these musicians will have mastered this fundamental repertoire, allowing them to sit with any ensemble to easily perform these pieces. At various junctures during the school year, students will have opportunities to participate at music festivals, or at other performances.

  Drama 8 students can expect to investigate the structures and techniques of live presentation and storytelling. Progressing from the study of effective collaboration, students will begin to examine their relationship with expression, voice, and articulation. The synergy of the intellect, and physical and emotional center to strengthen and broaden the student's personal communication style will be emphasized. Units will cover scripted material as well as devised theatre.

All course offerings will be based on sufficient enrollment, teacher availability, student capability, and are subject to approval by administration.

Course Selection Schedule

The course selection process starts with the launch of the Course Selection Awareness Week which is designed to help students navigate their way through the process.

During the week, drop-in opportunities and grade meetings are organized to facilitate student engagement, guidance, and support in all aspects of the course selection process. Students will have the opportunity to gain additional information and advice regarding course selection, and also have an opportunity to talk to the subject teachers specifically about course descriptions, and other areas of concern.

Please see below for further information on these and other important course selection events:

SCHEDULE	DATE
Course Selection Awareness Week	February 19 to 23, 2018
Parent/Student Course Selection Information:	
• Current Grade 5	Wednesday, February 21 3:15 - 4:00 pm in room 320
• Current Grade 7	Wednesday, February 21 3:15 - 4:00 pm in room 411
Course Selection Opens (a Google Form will be sent via email)	Tuesday, March 6, 2018
Course Selection Closes	Friday, March 16, 2018 at Noon

Advanced Placement

College Level Courses

AP courses are university level curriculum-based programs of study equivalent in content and standard to first-year university courses. Although these courses are neither required for graduation nor for university entrance in Canada, successful completion with high marks may have a positive impact upon admissions to other universities in other parts of the world. Higher marks can also lead to universities giving partial first-year credits or direct placement into second-year courses. Students wishing to take AP courses in their Grade 11 or 12 year may need prerequisites in Grade 10 or 11 to qualify. The availability of any given AP course is dependent upon demand and teacher availability.

Once the course has begun in September, chosen AP courses cannot be dropped.

For all AP courses please check eligibility via prerequisite requirements in the section devoted to course descriptions.

Students in AP courses write the College Board Exam in May at an estimated cost of $105 (dependant upon currency fluctuations).

AP Capstone Programme

AP Capstone is an innovative diploma program that helps students stand out in the university admission process by developing the critical thinking skills needed to succeed in university and in life. Two new courses – AP Seminar and AP Research – allow students to immerse themselves in topics that matter to them while developing the analytic, research, problem-solving, and communication skills that universities seek in their applicants. This challenging program helps to deepen a student's passion for learning, gives them greater confidence in their academic skills, and provides a broader perspective on the world.

How AP Capstone Works

Students typically take AP Seminar in Grade 10 or 11, followed by AP Research in Grade 11 or 12. Students who earn scores of 3 or higher on the AP Seminar and AP Research Exams and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. This signifies outstanding academic achievement and attainment of university-level academic and research skills. Alternatively, the AP Capstone Certificate is awarded to students for scores of 3 or higher on just the AP Seminar and AP Research Exams with no additional AP courses, signifying attainment of college-level academic and research skills,

GRADE 10

AP Capstone Seminar

GRADE: 10/11/12

Prerequisites:
Recommended for those students who meet the entry requirements for one or more Honours courses in with Grade 10 or 11, and is committed to registering for one or more AP courses in the near future

In the first year, you'll develop and strengthen your analytic and inquiry skills, exploring deeply topics and issues chosen by you and/or your teacher. You'll learn to consider an issue from multiple perspectives, evaluate the strength of an argument, and make logical, fact-based decisions. For example, you might explore the question of whether national security is more important than a citizen's right to privacy, or whether genetic engineering is beneficial to society.

During the course, you'll complete a team project, an individual paper and presentation, and take a written end-of-course exam. Your AP Seminar Exam score will be based on all three assessments using the usual 1–5 AP scoring scale.

GRADE 11

AP Capstone Seminar

GRADE: 10/11/12

Prerequisites:
Recommended for those students who meet the entry requirements for one or more Honours courses in with Grade 10 or 11, and is committed to registering for one or more AP courses in the near future

In the first year, you'll develop and strengthen your analytic and inquiry skills, exploring deeply topics and issues chosen by you and/or your teacher. You'll learn to consider an issue from multiple perspectives, evaluate the strength of an argument, and make logical, fact-based decisions. For example, you might explore the question of whether national security is more important than a citizen's right to privacy, or whether genetic engineering is beneficial to society.

During the course, you'll complete a team project, an individual paper and presentation, and take a written end-of-course exam. Your AP Seminar Exam score will be based on all three assessments using the usual 1–5 AP scoring scale.

AP Capstone Research

GRADE: 11/12

Prerequisites:
AP Seminar

It is the second required course for the AP Capstone Diploma or Certificate allowing students to further the skills acquired in the AP Seminar course

Students in this course design, plan, and conduct a year-long research-based investigation on a topic of their choice. This course takes students on a journey from building an argument, researching it, presenting it and finally defending their work. The focus of the course is understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information. The course enables students to apply scholarly understanding to real-world problems and issues.

Students are assessed through the following culminating performance tasks:

- Academic thesis paper (approximately 5,000 words) with a defined structure
- Presentation, performance, or exhibition and oral defense of research and presentation

The AP Research score is based on these components and is reported on the standard 1– 5 AP scoring scale.

AP English Literature and Composition

GRADE: 11/12

Prerequisites:
A minimum 80% in any section of English 10 and/or any section of English 11 and permission from the Department Head

AP Literature and Composition focuses on the reading and analysis of imaginative literature. Students will develop close reading and analytical skills that explore how writers use language to provide both meaning and an engaging experience for readers. Focus will be given to a work's structure, style and themes as well as smaller style elements such as the use of figurative language, imagery, symbolism and tone. The course includes an extensive reading list of fiction works from the 16th-21st centuries. Students will engage with these works at an analytical level and will explore the work's artistry, the historical and cultural values the work embodies as well as various critical perspectives the work can be engaged with. Writing assignments focus on the critical analysis of literature and include expository, analytical and argumentative essays. Although formal writing is the focus of the course, students will also engage in creative writing exercises designed to further their appreciation of the artistic forms used in the pieces of study. This course is designed for students with a strong foundation in English and who would like to explore the study of literature at a more academic level.

AP Computer Science Principles (CSP)

GRADE: 11 & 12

Prerequisites:
None, but a strong foundation in Math 10 and an ability to problem-solve and collaborate is recommended

AP Computer Science Principles (CSP) is designed to be equivalent to a first-semester introductory college computing course. This course introduces students to the central ideas of computer science, develops computational thinking skills, and invites students to understand the effects of computing across seven "Big Ideas": Creativity, Abstraction, Data and Information, Algorithms, Programming, The Internet, and Global Impact. Students will be required to produce two computational artifacts (digitally and through programming) and write a final exam to demonstrate learning and achievement of course objectives.

AP Human Geography

GRADE: 11 & 12

Prerequisites:
Minimum of 86% in Social Studies 10 or 84% or higher in any other Social Studies 12 course

This course focuses on the interrelationship between humans and their physical surroundings. Students will examine current population patterns and trends, urbanization and its effect on development of a country, as well as political and industrial influence on urban life and food security. Students will begin to understand the role of globalization and its impact on human and natural systems, as well as on the world's population. In addition, students will learn about the methods and tools that geographers use in their research and applications.

AP Psychology

GRADE: 11 & 12

Recommended:
Minimum of 86% in Science 10, or 80% or above in Life Sciences 11 (Biology)

AP Psychology introduces students to the systematic and scientific study of human behavior and mental process. Students explore and apply psychological theories, key concepts and phenomena associated with topics such as the biological basis of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, social psychology and the treatment of abnormal behavior. As students investigate normal and abnormal perceptions, thoughts, feelings, and actions, they will learn and employ the methods used by psychologists to analyze bias, evaluate claims and evidence and to effectively communicate their ideas.

AP Statistics

GRADE: 11 & 12

Prerequisites:
Foundations of Mathematics & Pre-Calculus 10 and teacher approval

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using probability and simulation
- Statistical Inference: Estimating population parameters and testing hypotheses

Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course. This is a one-year course.

GRADE 12

AP Capstone Seminar

GRADE: 10/11/12

Prerequisites:
Recommended for those students who meet the entry requirements for one or more Honours courses in with Grade 10 or 11, and is committed to registering for one or more AP courses in the near future

In the first year, you'll develop and strengthen your analytic and inquiry skills, exploring deeply topics and issues chosen by you and/or your teacher. You'll learn to consider an issue from multiple perspectives, evaluate the strength of an argument, and make logical, fact-based decisions. For example, you might explore the question of whether national security is more important than a citizen's right to privacy, or whether genetic engineering is beneficial to society.

During the course, you'll complete a team project, an individual paper and presentation, and take a written end-of-course exam. Your AP Seminar Exam score will be based on all three assessments using the usual 1–5 AP scoring scale.

AP Capstone Research

GRADE: 11/12

Prerequisites:
AP Seminar

It is the second required course for the AP Capstone Diploma or Certificate allowing students to further the skills acquired in the AP Seminar course

Students in this course design, plan, and conduct a year-long research-based investigation on a topic of their choice. This course takes students on a journey from building an argument, researching it, presenting it and finally defending their work. The focus of the course is understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information. The course enables students to apply scholarly understanding to real-world problems and issues.

Students are assessed through the following culminating performance tasks:

- Academic thesis paper (approximately 5,000 words) with a defined structure
- Presentation, performance, or exhibition and oral defense of research and presentation

The AP Research score is based on these components and is reported on the standard 1– 5 AP scoring scale.

AP English Literature and Composition

GRADE: 11/12

Prerequisites:
A minimum 80% in any section of English 10 and/or any section of English 11 and permission from the Department Head

AP Literature and Composition focuses on the reading and analysis of imaginative literature. Students will develop close reading and analytical skills that explore how writers use language to provide both meaning and an engaging experience for readers. Focus will be given to a work's structure, style and themes as well as smaller style elements such as the use of figurative language, imagery, symbolism and tone. The course includes an extensive reading list of fiction works from the 16th-21st centuries. Students will engage with these works at an analytical level and will explore the work's artistry, the historical and cultural values the work embodies as well as various critical perspectives the work can be engaged with. Writing assignments focus on the critical analysis of literature and include expository, analytical and argumentative essays. Although formal writing is the focus of the course, students will also engage in creative writing exercises designed to further their appreciation of the artistic forms used in the pieces of study. This course is designed for students with a strong foundation in English and who would like to explore the study of literature at a more academic level.

AP Computer Science Principles (CSP)

GRADE: 11 & 12

Prerequisites:
None, but a strong foundation in Math 10 and an ability to problem-solve and collaborate is recommended

AP Computer Science Principles (CSP) is designed to be equivalent to a first-semester introductory college computing course. This course introduces students to the central ideas of computer science, develops computational thinking skills, and invites students to understand the effects of computing across seven "Big Ideas": Creativity, Abstraction, Data and Information, Algorithms, Programming, The Internet, and Global Impact. Students will be required to produce two computational artifacts (digitally and through programming) and write a final exam to demonstrate learning and achievement of course objectives.

AP European History

GRADE: 12

Prerequisites:
Any Social Studies 12 or 12 course with an 86% or higher and very strong reading and writing skills

AP European History is a survey course of European History from 1450 to present day. The goal of this course is to develop student understanding of some of the major themes in European history and foster the analysis of events that have shaped Western development. Through a variety of approaches, the material is taught both thematically and chronologically in order to explore numerous topics of social, economic, cultural, intellectual and political relevance. This is a challenging and demanding course for students interested in the humanities.

AP Human Geography

GRADE: 11 & 12

Prerequisites:
Minimum of 86% in Social Studies 10 or 84% or higher in any other Social Studies 12 course

This course focuses on the interrelationship between humans and their physical surroundings. Students will examine current population patterns and trends, urbanization and its effect on development of a country, as well as political and industrial influence on urban life and food security. Students will begin to understand the role of globalization and its impact on human and natural systems, as well as on the world's population. In addition, students will learn about the methods and tools that geographers use in their research and applications.

AP Psychology

GRADE: 11 & 12

Recommended:
Minimum of 86% in Science 10, or 80% or above in Life Sciences 11 (Biology)

AP Psychology introduces students to the systematic and scientific study of human behavior and mental process. Students explore and apply psychological theories, key concepts and phenomena associated with topics such as the biological basis of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, social psychology and the treatment of abnormal behavior. As students investigate normal and abnormal perceptions, thoughts, feelings, and actions, they will learn and employ the methods used by psychologists to analyze bias, evaluate claims and evidence and to effectively communicate their ideas.

AP Statistics

GRADE: 11 & 12

Prerequisites:
Foundations of Mathematics & Pre-Calculus 10 and teacher approval

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using probability and simulation
- Statistical Inference: Estimating population parameters and testing hypotheses

Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course. This is a one-year course.

AP Calculus AB

GRADE: 12

Prerequisites:
86% or above in Pre-Calculus 12 is highly recommended

This course is designed for students who have a very strong foundation in mathematics, possess exceptional work habits, and who plan to pursue university programs that require mathematics. This course covers functions; graphs and limits; continuity; derivatives and their applications; integration and applications of integrals. Students are expected to write the AP Calculus exam in May, and have an option to write the University Challenge exams offered by UBC, SFU, UVIC, and UNBC. Students who successfully complete the challenge exam receive credit for first semester university calculus at any BC university. A graphing calculator is required.

Note: Students writing the AP Calculus AB exam in May must receive a minimum score of 3 or higher to receive a college credit at some institutions. Students must write the AP Calculus examination in order to receive AP credit for their course work. Students who opt not to write the AP Calculus examination will write the School's Calculus examination in June. They will be given a Calculus 12 credit at the end of the year (and on their transcript).

AP Biology

GRADE: 12

Prerequisites:
Biology 11 Honours, or Biology 11 with permission from the Head of Science

Recommended:
Above 86% in Biology 11 Honours, or above 90% in Biology 11

AP Biology is a rigorous course, designed to be equivalent to a first-year university general biology course. Building on the foundation, skills and knowledge covered in Biology 11 Honours, the AP course includes the following units of study: the Chemistry of Life, Cell Processes (Energy and Communication), and Interactions in Biological Systems, including the study of the major human organ systems and how they interact to maintain homeostasis. The content overlaps the Anatomy and Physiology 12 course, but is covered in more depth to prepare students for the completion of the AP program. An emphasis is placed on the scientific method and inquiry-based experimentation, as well as the use of representations, models, and mathematics to explain and predict outcomes. Students must write the AP Biology exam in May to receive AP credit for their course work, and they must attain a minimum score of 3 or higher on this exam to receive a college credit at some institutions. In addition, students will write the school's Anatomy and Physiology 12 exam in June, and will be given credit for Anatomy and Physiology 12 on their transcript.

Textbook: *BC Biology 12 and AP Biology (Campbell)*

AP Chemistry

GRADE: 12

Prerequisites:
Chemistry 11 Honours; Permission from the Head of Science

Recommended:
Above 86% in Chemistry 11 Honours

AP Chemistry is a rigorous course, designed to be equivalent to a first-year university general chemistry course. Students should anticipate one hour of work outside of class for every hour in class. AP Chemistry builds on the concepts taught in Chemistry 11 Honours and covers the provincial Chemistry 12 content. It is conceptual in nature, involving some complex mathematics. Students with a strong personal interest in chemistry, strong math skills, as well as strong work and study habits will succeed in this course. The topics covered include the six "Big Ideas" prescribed in the AP syllabus: Atoms and Elements; Structure and Properties of Matter; Reactions; Kinetics; Thermodynamics; Equilibrium. The practical aspect of this college-level course necessitates a high emphasis on conducting inquiry-based laboratory experiments. Students must write the AP Chemistry exam in May to receive AP credit for their course work, and they must attain a minimum score of 3 or higher on this exam to receive a college credit at some institutions. In addition, students will write the school's Chemistry 12 exam in June, and will be given credit for Chemistry 12 on their transcript.

Textbook: *Chemistry (Chang)*

AP Physics 1

GRADE: 12

Prerequisites:
Physics 11 Honours; Permission from the Head of Science

Recommended:
Above 86% in Physics 11 Honours

AP Physics 1 develops a deep understanding of the foundational principles of physics in classical mechanics and modern physics by applying these principles to complex physical situations that combine multiple aspects of physics rather than present concepts in isolation. Students will discuss, confer, and debate with classmates to explain a physical phenomenon investigated in class. Students design and conduct inquiry-based laboratory investigations to solve problems through first-hand observations, data collection, analysis and interpretation. AP Physics 1 includes the following units of study: kinematics, dynamics, circular motion, gravitation, harmonic motion, momentum, work, energy, rotational motion, electrostatics, DC circuits and wave properties. The content overlaps the provincial Physics 11 and Physics 12 courses, but AP Physics 1 is more rigorous and the topics are covered to a deeper level to prepare students for the completion of the AP program. The AP Physics 1 exam will be on 7th May 2019. This course aims to develop students as scientifically literate inquirers who are able to think critically and creatively to solve problems and make decisions affecting themselves, others and their social and natural environments. Activities – including demonstrations, inquiry-based laboratory activities, virtual simulations, debates, and case studies – allow students to further explore the topics introduced in this course. A significant emphasis is placed on the scientific method and inquiry-based experimentation, as well as the use of representations, models, and mathematics.

Textbook: *Openstax College Physics*

Applied Skills

GRADE 10

Programming 10

GRADE: 10

Prerequisites:
None

This course introduces students to computational thinking, including coding, apps and game design. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will learn the basics of programming, from simple commands, nested loops and functions to develop problem solving and algorithmic thinking patterns and write clear documentation. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in coding, computational and design process thinking and global career trends in computer-related fields. The final project will be to develop an application that performs a specific function.

GRADE 11

Publishing 11

GRADE: 11

Prerequisites:
None

Students will participate in planning the overall content and organization of the yearbook. Students will decide what they do, and do not want to include in the yearbook and how much emphasis will be given to each part. They will then determine how this content should be organized while working within the constraints of a limited number of pages, locations, and number of colour pages in the book. Students may also decide to select a unifying theme and determine how that theme will be expressed in the various parts of the book, such as the cover and end sheets. These will be taught through a series of lectures, workshops and hands on practice assignments. Students will predominantly use Adobe Photoshop and InDesign to create the layout and design of the book. Using a collaborative team-based approach, students will develop the theme of the book and work together to create a published product that will be distributed to the wider school community.

GRADE 12

Publishing 12

GRADE: 12

Prerequisites:
None

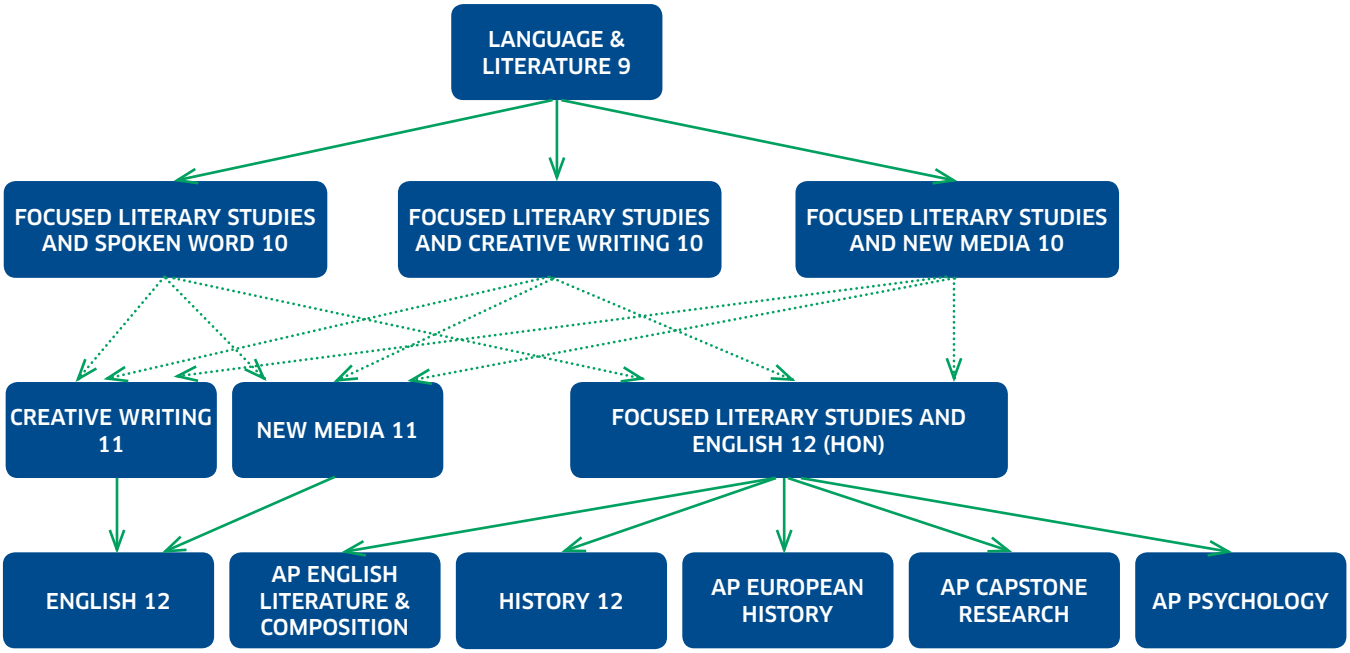
Students will organize the class in planning the overall content and organization of the yearbook. Students will decide what they do, and do not want to include in the yearbook and how much emphasis will be given to each part. They will then determine how this content should be organized while working within the constraints of a limited number of pages, locations, and number of colour pages in the book. The students may also decide to select a unifying theme and determine how that theme will be expressed in the various parts of the book, such as the cover and end sheets. Publishing 12 students are expected to provide leadership in the class, helping their Publishing 11 peers make these decisions. Students will maintain a continuous log of their decisions and will report these decisions to the instructor. Students will be responsible for assigning different editorial tasks to the Publishing 12 students. Students will be responsible for planning the page ladder and facilitating the page assignments for the Publishing 11 and Publishing 12 students.

English

The English program in Grades 10 through 12 ignites in students a lifelong love of literature, language, and learning. It specifically supports, and is driven by, the pursuit of excellence as students become effective communicators, critical thinkers, and creative visionaries of the spoken, written, viewed, and represented word.

Starting with the Middle Years Programme in Grades 6-9, students gain a strong foundation in English reading, writing and speaking skills. In their Grade 10 year, students can choose to focus their study of English through the perspective of either New Media, Spoken Arts or Spoken Word. In their Grade 11 year, students can choose to delve into their chosen perspective in more depth or choose to follow a different perspective leading into English 12 the following year. Students who are strong in English can instead choose to take Honours English 11, which combines both English 11 and English 12 into one year to prepare them for Advanced Placement classes in their Grade 12 year.

English Programme Pathways



GRADE 10

Focused Literary Studies and New Media 10

GRADE: 10

Prerequisites:
Language and Literature (English) 9

The course is thematically based on the dynamics between self, society, and setting; students are encouraged to draw meaning from texts of diverse genres, cultural, and historical origins. The thematic focus of the course will be explored through analytical reading and writing building upon skills learned in previous year and through the lens of New Media. New Media recognizes that Digital Literacy is an essential characteristic of educated citizens. This course provides students with in-depth opportunities to explore the thematic focus in the context of the digital world and through the process of creating digital texts and artifacts. Areas of focus include: Media and film studies, Journalism and publishing and digital communication such as: blogging, writing for the web, writing for social media, gaming and podcasting.

Focused Literary Studies and Creative Writing 10

GRADE: 10

Prerequisites:
Language and Literature (English) 9

The course is thematically based on the dynamics between self, society, and setting; students are encouraged to draw meaning from texts of diverse genres, cultural, and historical origins. The thematic focus of the course will be explored through analytical reading and writing building upon skills learned in previous year and through the lens of Creative Writing for students who have an interest in creative expression through language. The course provides students with in-depth opportunities to become better writers through the exploration of personal and cultural identities, memories, and stories in a wide range of genres. Within a supportive community of writers, students will collaborate and develop their skills through writing and design processes. This course is intentionally grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they experiment with, reflect on, extend, and refine their writing.

Focused Literary Studies and Spoken Language 10

GRADE: 10

Prerequisites:
Language and Literature (English) 9

The course is thematically based on the dynamics between self, society, and setting; students are encouraged to draw meaning from texts of diverse genres, cultural, and historical origins. The thematic focus of the course will be explored through analytical reading and writing building upon skills learned in previous year and through the lens of Spoken Language. Spoken language skills are increasingly necessary in everyday, educational, and professional contexts. Spoken Language 10 provides opportunities for students individually and collaboratively to study, create, and use language to produce original pieces in a variety of modes include persuasive speaking and debate. The course will provide students with opportunities for performance and public speaking. Spoken Language 10 will appeal to students who enjoy public performance or oral storytelling or who want to gain more experience and skill in this area.

GRADE 11

Focused Literary Studies 11 and English 12 (Honours)

GRADE: 11

Prerequisites:
Achieved a minimum of 80% standing in any of the 3 Grade 10 courses

This course combines both Focused Literary Studies 11 and English 12 curricula to enrich student learning. At the end of this course, students will receive credit for both Focused Literary Studies 11 and English 12. Students will explore both written and oral English language with a significant focus on critical literary analysis skills in preparation for AP and/or university English courses. Significant focus will be given to analytical writing and on using different critical lenses to analyze a wide variety of fiction and nonfiction texts. Students who take this course will be required to take at least one of: AP Research, AP Literature and Composition, AP European History and/or AP Psychology in their Grade 12 year.

Creative Writing 11

GRADE: 11

Prerequisites:
Any of the three English 10 Courses

Creative Writing 11 is designed for students who are interested in using writing for self-expression and various creative purposes. The course provides students with in-depth opportunities to become better writers through the exploration of personal and cultural identities, memories, and stories in a wide range of genres. Within a supportive community, students will collaborate and develop their skills through writing and design processes. Creative Writing 11 is grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they experiment with, reflect on, extend, and refine their writing. While Creative Writing 11 builds on Creative Writing 10, it is possible to take Creative Writing 11 without having taken Creative Writing 10.

New Media 11

GRADE: 11

Prerequisites:
Any of the three English 10 Courses

New Media 11 is a program of studies designed to reflect the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas. New Media 11 recognizes that digital literacy is an essential characteristic of the educated citizen. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world by affording numerous opportunities to demonstrate understanding and communicate increasingly sophisticated ideas through a wide variety of digital and print media. Areas of focus include: Media and film studies, Journalism and publishing and digital communication such as: blogging, writing for the web, writing for social media, gaming and podcasting. While New Media 11 builds upon New Media 10, it is possible to take New Media 11 without having taken New Media 10.

GRADE 12

English 12

GRADE: 12

Prerequisites:
English 11 or equivalent

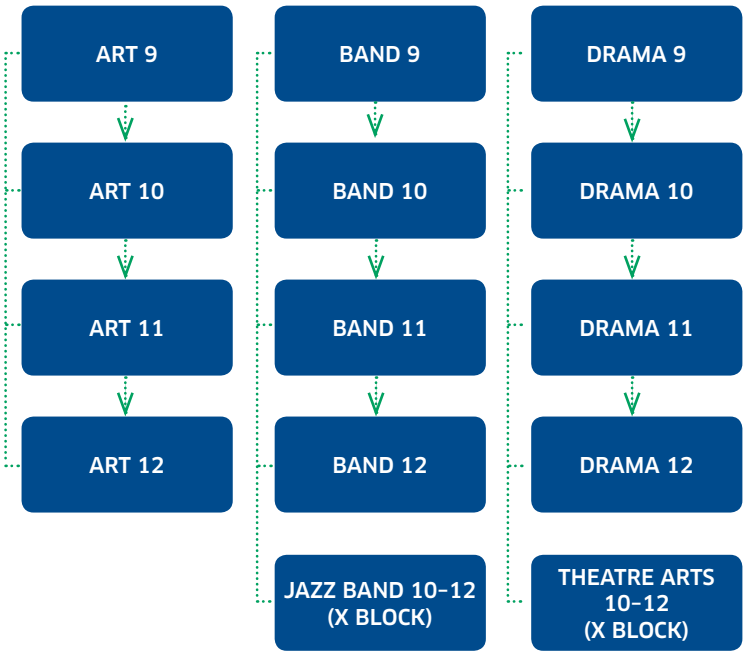
This course is the culmination of the language arts skills previously taught during the preceding eleven years, emphasizing the consolidation of literacy, critical thinking, and communication skills. Students focus on the analysis and evaluation of informational texts and literary works from various time periods, genres and cultures. In addition, they will write research reports, summaries, analytical essays and creative pieces to refine stylistic techniques for both formal and informal writing. Further, students will examine the relationship between media forms, audiences and media industry practices. They will also be required to develop important communication skills through class presentations, debates, and speeches. Study of vocabulary, spelling and formal grammatical structures is ongoing, focusing on correct and concise sentence structure.

Fine and Performing Arts

The Fine and Performing Arts program plays an essential role in developing the creative talents of students at Southpointe Academy. Southpointe Academy provides students with opportunities for individual creative expression, collaboration, critical thinking and self-discipline. As a result, students acquire the attitudes, skills and knowledge necessary to support a range of career goals and develop a foundation for lifelong learning. Throughout history, the arts have been studied as the true measure of civilization. Whether through appreciation of the arts, the development of skills and techniques, or strong knowledge of its history and context, the arts relate to our everyday life experiences.

The arts enrich and challenge students, in addition to providing a balance with the other pillars in Southpointe Academy's foundation. Students develop a respect for cultural pursuits which enhances the quality of life in the school environment through art, music, and drama (images, sounds and experiences). As our students grow and develop further understanding, they perceive and respond to the arts more critically. Our students demonstrate excellence in their creative endeavors; many go on to pursue their goals in leading post-secondary institutions worldwide.

Fine and Performing Arts Programme Pathways (Electives)



GRADE 10

Art 10

GRADE: 10

Prerequisites:
None

In Art 10, students continue with the key components of art that they cultivated in the Grade 9 program. As students move through the course, basic art theories and skills are refined before introducing more advanced theories and skills. This course is designed to provide students with a variety of visual experiences, exposing them to the major movements of Art History. They consider the role of the modern artist as a mirror of society and an instigator of change. The year is organized into thematic units of study. These units include visual expressions in drawing, painting, printmaking, sculpture, textiles and mixed media. Students have an opportunity to specialize in theme development and find their artistic "voice". This course allows students to work independently on improving their visual expressions in a variety media and styles.

Band 10

GRADE: 10

Prerequisites:
None

Band 10 students form a constituent part of the Senior Concert Band Class, an ensemble that includes their peers in Grades 11 and 12. Grade 10 students will be responsible for playing third parts or higher in their sections. Members will learn the recognized masterwork of the concert band repertoire. By the time they graduate, these musicians will have mastered this fundamental repertoire, allowing them to sit with any ensemble to easily perform these pieces. Band 10 is designed for experienced musicians; it is not intended for beginners. At various junctures during the school year, students will have opportunities to participate at music festivals, with honour bands, or at other performances.

Jazz Band 10

GRADE: 10

Prerequisites:
None

Jazz Band 10 features an ensemble of musicians in Grades 9 to 12 who share an interest and have experience playing all kinds of jazz. This course is open to current Band 10 ensemble members who have at least one year of experience playing jazz music. Interested students will be responsible for playing third parts or higher in their sections. Weekly rehearsals occur on Tuesdays at 3:15 pm and on Fridays at 7 am. In a small ensemble, musicians are assigned essential, unique parts; therefore, regular attendance is vital. The course imparts elements of the jazz style, tradition, and improvisation, with a focus on ear training to discover the cultural context of selected music. Evaluation includes playing tests, listening assignments, transcriptions, and jazz syntax. Group members will prepare large ensemble and combination repertoires for performance at both December and June school concerts in addition to a music festival and tour.

(X-Block Option)

Drama 10

GRADE: 10

Prerequisites:
None

Drama 10 will enhance the student's ability to effectively communicate and collaborate, helping them gain confidence while developing a stronger sense of empathy, community and self all in the context of live and filmed performance. Students will study improvisation techniques and interpret and present dramatic text in order to strengthen and unify the connection between the body, voice, mind and emotional centre.

GRADE 11

Art 11

GRADE: 11

Prerequisites:
None

Students continue with the key components of art that they cultivated in the Grade 9 and 10 programs. As students move through the course, basic art theories and skills are refined before introducing more advanced theories and skills. This course is designed to provide students with a variety of visual experiences, exposing them to the major movements of Art History. They consider the role of the modern artist as a mirror of society and an instigator of change. The year is organized into thematic units of study. These units include visual expressions in drawing, painting, printmaking, sculpture, textiles and mixed media. Students have an opportunity to specialize in theme development and find their artistic "voice". This course allows students to work independently on improving their visual expressions in a variety media and styles.

Band 11

GRADE: 11

Prerequisites:
None

Band 11 students form a constituent part of the Senior Concert Band Class, an ensemble that includes their peers in Grades 10 and 12. Grade 11 students will be responsible for playing second parts or higher in their sections. Members will learn the recognized masterwork of the concert band repertoire. By the time they graduate, these musicians will have mastered this fundamental repertoire, allowing them to sit with any ensemble to easily perform these pieces. Band 11 is designed for experienced musicians; it is not intended for beginners. At various junctures during the school year, students will have opportunities to participate at music festivals, with honour bands, or at other performances.

Jazz Band 11

GRADE: 11

Prerequisites:
None

Jazz Band 11 features an ensemble of musicians in Grades 9 to 12 who share an interest and have experience playing all kinds of jazz. This course is open to current Band 11 ensemble members who have at least one year of experience playing jazz music. Interested students will be responsible for playing second parts or higher in their sections. Weekly rehearsals occur on Tuesdays at 3:15 pm and on Fridays at 7 am. In a small ensemble, musicians are assigned essential, unique parts; therefore, regular attendance is vital. The course imparts elements of the jazz style, tradition, and improvisation, with a focus on ear training to discover the cultural context of selected music. Evaluation includes playing tests, listening assignments, transcriptions, and jazz syntax. Group members will prepare large ensemble and combination repertoires for performance at both December and June school concerts in addition to a music festival and tour.

(X-Block Option)

Drama 11

GRADE: 11

Prerequisites:
None

Drama 11 presents students with the opportunity to create unique pieces intended for both live presentation and performance for the screen. Voice and movement skills are emphasized throughout, as are improvisation structures and effective collaboration techniques. Students will be required to examine and demonstrate their emotional and intellectual maturity in the context of performance.

Theatre Arts 11

GRADE: 11

Prerequisites:
None

Theatre Arts 11 is a production class that requires students to engage in at least 90 hours of work in the creation of one or more Southpointe Theatre presentations. All participation in any aspect of production, including rehearsal, performance, design, directing, stage management and crew positions, are eligible for credit.

(X-Block Option)

GRADE 12

Art 12

GRADE: 12

Prerequisites:
None

Students continue with the key components of art that they cultivated in the Grade 9, 10 and 11 programs. As students move through the course, basic art theories and skills are refined before introducing more advanced theories and skills. This course is designed to provide students with a variety of visual experiences, exposing them to the major movements of Art History. They consider the role of the modern artist as a mirror of society and an instigator of change. The year is organized into thematic units of study. These units include visual expressions in drawing, painting, printmaking, sculpture, textiles and mixed media. Students have an opportunity to specialize in theme development and find their artistic "voice". This course allows students to work independently on improving their visual expressions in a variety media and styles.

Band 12

GRADE: 12

Prerequisites:
None

Band 12 students form a constituent part of the Senior Concert Band Class, an ensemble that includes their peers in Grades 10 and 11. Grade 12 students will be responsible for playing first parts in their sections. Members will continue to learn the recognized masterwork of the concert band repertoire. As they graduate, these musicians will have mastered this fundamental repertoire, allowing them to sit with any ensemble to easily perform these pieces.

Band 12 is designed for experienced musicians; it is not intended for beginners. At various junctures during the school year, students will have opportunities to participate at music festivals, with honour bands, or at other performances.

Jazz Band 12

GRADE: 12

Prerequisites:
None

Jazz Band 12 features an ensemble of musicians in Grades 9 to 12 who share an interest and have experience playing all kinds of jazz. This course is open to current Band 12 ensemble members who have at least one year of experience playing jazz music. Interested students will be responsible for playing first parts in their sections. Weekly rehearsals occur on Tuesdays at 3:15 pm and on Fridays at 7 am. In a small ensemble, musicians are assigned essential, unique parts; therefore, regular attendance is vital. The course imparts elements of the jazz style, tradition, and improvisation, with a focus on ear training to discover the cultural context of selected music. Evaluation includes playing tests, listening assignments, transcriptions, and jazz syntax. Group members will prepare large ensemble and combination repertoires for performance at both December and June school concerts in addition to a music festival and tour.

(X-Block Option)

Drama 12

GRADE: 12

Prerequisites:
None

In Drama 12, students are challenged to find deeper insight into the exploration and realization of the processes involved in live and recorded performance and production. The core area of study will deal with acting technique based on methods derived from Stanislavski and the Moscow Art Theatre and the processes of their evolution into present day application. These methods are applied to mature, contemporary dramatic literature for stage and film.

Theatre Arts 12

GRADE: 12

Prerequisites:
None

Theatre Arts 12 is the continuation of Theatre Arts 11. Students are to engage in at least 90 hours of work in the creation of one or more Southpointe Theatre presentations, which would include work in rehearsal, performance, design, directing, stage management and crew positions . In Theatre Arts 12, students are expected to be proactive and passionate in their chosen discipline.

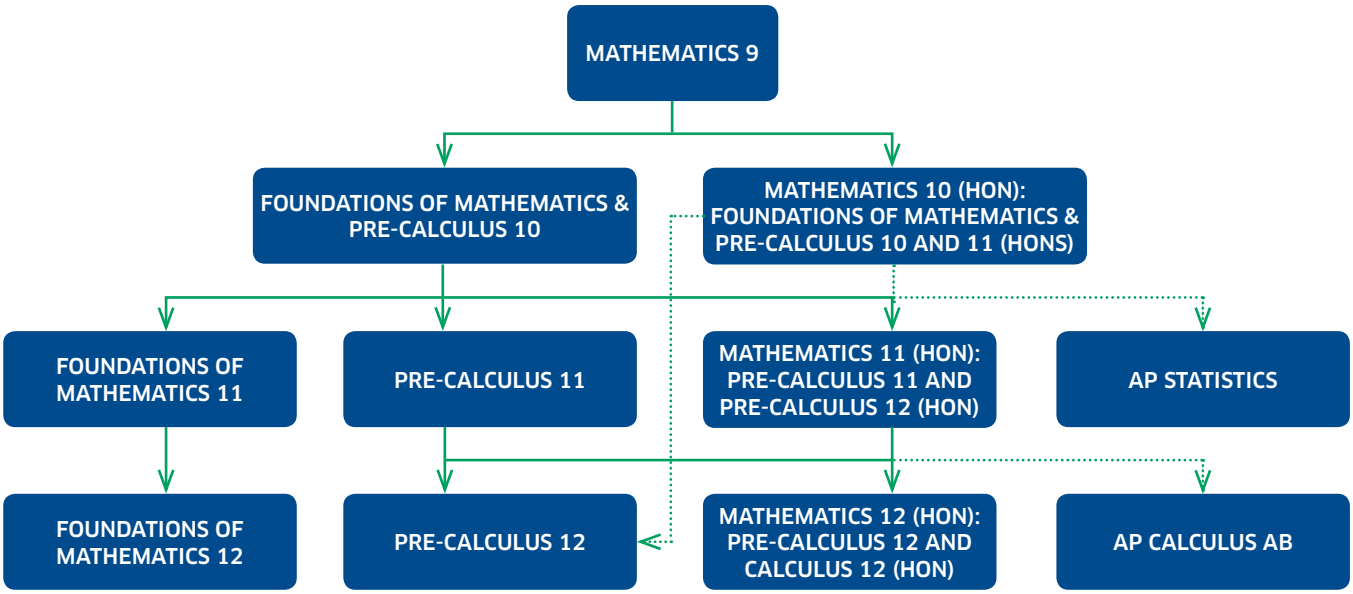
(X-Block Option)

Mathematics

Southpointe Academy students complete the MYP Mathematics program from grades 6 to 9 before progressing to the Senior School program options. In grades 10-12, students have the option of selecting Honours courses, which allow students to earn credit in two mathematics courses in one school year. Advanced Placement (AP) courses are available as early as grade 11, where students have the option of taking AP Statistics, an elective. In grade 12 students have the option of taking AP Calculus AB.

The diagram below shows the possible pathways that a student may take during grades 6 to 12.

Mathematics Programme Pathways



GRADE 10

Foundations of Mathematics and Pre-Calculus 10 and Pre-Calculus 11 (Honours)

GRADE: 10

Prerequisites:
A minimum of Level 5 final MYP grade from Mathematics 9 and teacher approval

This Honours course will provide grade 10 students with a breadth of topics integrated from both Foundations of Mathematics & Pre-Calculus 10, and Pre-Calculus 11.

This is a challenging course, which moves at an accelerated rate in order to cover two years worth of mathematics content in a single year, at a reduced amount of time. It assumes excellent prerequisite knowledge and good work habits on the part of the student.

Students will write final exams at the culmination of each course, and also write their first attempt of the new BC Graduation Numeracy Assessment.

In Foundations of Mathematics & Pre-Calculus 10, students aim, through the core competencies, to develop the reasoning skills needed to understand and solve problems involving trigonometry, rate of change, and operations on algebraic expressions. Students are expected to develop the analytical skills needed to evaluate trends and relations, represent thinking through various forms while communicating their understanding, and reflect on their individual learning.

Additionally, in Pre-Calculus 11, students aim to understand and solve problems involving trigonometry and angles on a coordinate grid, the use of functions, and operations on rational and radical algebraic expressions. Students will also need to make meaning through abstract thinking, represent thinking through various forms while communicating their understanding, and reflect on their individual learning.

Foundations of Mathematics and Pre-Calculus 10

GRADE: 10

Prerequisites:
MYP Mathematics 9

Foundations of Mathematics and Pre-Calculus 10 aims, through the core competencies, to develop the reasoning skills needed to understand and solve problems involving trigonometry, rate of change, and operations on algebraic expressions. Students are expected to develop the analytical skills needed to evaluate trends and relations, represent thinking through various forms while communicating their understanding, and reflect on their individual learning.

Students will write a final exam at the culmination of the course, and also attempt the new BC Graduation Numeracy Assessment.

GRADE 11

Pre-Calculus 11 and Pre-Calculus 12 (Honours)

GRADE: 11

Prerequisites:
A minimum of 80% in both the final exam and for the year in Pre-Calculus 10 + teacher recommendation + permission from the Head of Math

The aim of Pre-Calculus 11 and Pre-Calculus 12 is to provide students with the opportunity to further their knowledge, skills, and attitudes related to mathematics.

This is a challenging course, which moves at an accelerated rate in order to cover two years worth of mathematics content in a single year, at a reduced amount of time. It assumes excellent prerequisite knowledge and good work habits on the part of the student.

Students will write final exams at the culmination of each course, and also attempt the new BC Graduation Numeracy Assessment if they have not already done so.

In Pre-Calculus 11, students aim, through the core competencies, to develop the reasoning skills needed to understand and solve problems involving trigonometry and angles on a coordinate grid, the use of functions, and operations on rational and radical algebraic expressions. Students are expected to develop the analytical skills needed to make meaning through abstract thinking, represent thinking through various forms while communicating their understanding, and reflect on their individual learning.

Additionally, in Pre-Calculus 12, students aim to apply their reasoning skills needed to understand the transformations and characteristics of functions, and their relation to inverse operations. Students are further expected to develop the analytical and representational skills required for the analysis of functions and the visualisation of geometrical thinking.

Pre-Calculus 11

GRADE: 11

Prerequisites:
Foundations of Mathematics and Pre-Calculus 10

In Pre-Calculus 11, students aim, through the core competencies, to develop the reasoning skills needed to understand and solve problems involving trigonometry and angles on a coordinate grid, the use of functions, and operations on rational and radical algebraic expressions. Students are expected to develop the analytical skills needed to make meaning through abstract thinking, represent thinking through various forms while communicating their understanding, and reflect on their individual learning.

Students will write a final exam at the culmination of the course, and also attempt the new BC Graduation Numeracy Assessment.

Foundations of Mathematics 11

GRADE: 11

Prerequisites:
Foundations of Mathematics and Pre-Calculus 10

Foundations of Mathematics 11 is designed to provide students with the mathematical understanding and critical-thinking skills identified for post-secondary programs that do not require the study of Calculus. These include, but are not limited to, the social sciences, Humanities and Geography. Topics include geometry, measurement, trigonometry, logical reasoning, relations and functions, statistics and math research project. This course satisfies the Math 11 graduation requirement. A graphing calculator is required.

Students will write a final exam at the culmination of the course, and also attempt the new BC Graduation Numeracy Assessment.

Note: *This course will be offered in a mixed setting along with Foundation of Mathematics 12 in 2018-2019.*

GRADE 12

Calculus 12

GRADE: 12

Prerequisites:
Pre-Calculus 12 as prerequisite or as a co-requisite with teacher recommendation

In Calculus 12, students aim, through the core competencies, to apply their reasoning skills needed to understand the concept of limits, both differential and integral calculus, and the understanding that derivatives and integrals have an inverse relationship. Students are expected to represent their thinking on these concepts to demonstrate their communication skills, and reflect upon their learning throughout the course.

Students will write a final exam at the culmination of the course, and also attempt the new BC Graduation Numeracy Assessment.

Pre-Calculus 12 and Calculus 12 (Honours)

GRADE: 12

Prerequisites:
A minimum of 80% in both the final exam and for the year in Pre-Calculus 11 is highly recommended for entrance to Pre-Calculus 12 and Calculus 12 (Honours)

This is a challenging course, which moves at an accelerated rate in order to cover two years worth of mathematics content in a single year, at a reduced amount of time. It assumes excellent prerequisite knowledge and good work habits on the part of the student.

Students will write final exams at the culmination of each course, and also attempt the new BC Graduation Numeracy Assessment if they have not already done so.

In Pre-Calculus 12, students aim, through the core competencies, to apply their reasoning skills needed to understand the transformations and characteristics of functions, and their relation to inverse operations. Students are expected to develop the analytical and representational skills required for the analysis of functions and the visualisation of geometrical thinking.

Additionally, in Calculus 12, students aim to apply their reasoning skills needed to understand the concept of limits, both differential and integral calculus, and the understanding that derivatives and integrals have an inverse relationship. Students are further expected to represent their thinking on these concepts to demonstrate their communication skills, and reflect upon their learning throughout the course.

Pre-Calculus 12

GRADE: 12

Prerequisites:
Pre-Calculus 11

In Pre-Calculus 12, students aim, through the core competencies, to apply their reasoning skills needed to understand the transformations and characteristics of functions, and their relation to inverse operations. Students are expected to develop the analytical and representational skills required for the analysis of functions and the visualisation of geometrical thinking.

Students will write a final exam at the culmination of the course, and also attempt the new BC Graduation Numeracy Assessment.

Foundations of Mathematics 12

GRADE: 12

Prerequisites:
Foundations of Math 11 or Pre-Calculus 11

Foundations of Mathematics 12 is designed for students who have taken Foundations of Math 11. In this course, students develop number sense in financial applications, logical reasoning, critical thinking skill related to uncertainty, and algebraic and graphical reasoning through the study of relations and functions. This course also entails a Mathematics Research Project through which students research and present on a current event or an area of interest that involves mathematics in order to develop an appreciation for the role of mathematics in society.

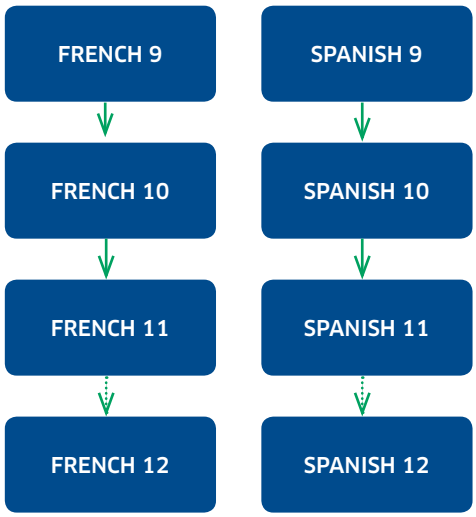
Students will write a final exam at the culmination of the course, and also attempt the new BC Graduation Numeracy Assessment.

Note: *This course will be offered in a mixed setting along with Foundation of Mathematics 12 in 2018-2019.*

Modern Languages

In an already very globalized world marked by mobility, fluidity and diversity, learning an additional language is a highly relevant and powerful means for increasing opportunities for communicating with Spanish and French speakers around the world. This, in turn, aids students with understanding different perspectives, ways of thinking and knowing, customs, and making connections with diverse ideas. The Spanish and French MYP, and new BC curriculum in grades 6-9 provide students with the resources, tools and opportunities for building their competence in Spanish/French, and their identity as a bilingual or multilingual individual. In grades 10-12, students in Spanish/French continue to develop as language learners, as they increase their knowledge, understanding and use of more complex verb tenses, grammatical structures and vocabulary. This is achieved by exploring, analyzing, discussing and writing about various topics (such as physical and mental health, city dwelling, social relationships and global issues) through the use of articles, novels, audiovisual sources, discussions, interviews, and debates.

Modern Languages Programme Pathways



GRADE 10

French 10

GRADE: 10

Prerequisites:
Successful completion of French 9

In French 10, the students are expected to speak only in French in class and to actively communicate, both orally and in writing. Students will be encouraged to use more complex structures and verb tenses, as well as some idiomatic expressions to enrich their interactions and develop the quality of the language used. Students will also be encouraged to take part in more unfamiliar and unprepared discussions with a variety of topics, both general and more specific.

In French 10, students will be exposed to French literature, watch some movies and explore the Francophone world in order to develop their cultural understanding and to enhance their linguistic skills.

Students will explore the following topics: eating habits, health and well-being, and holidays. The Discovering French Blanc textbook, short stories, TV5 Monde, some French movies and a variety of websites are used to support the French 10 curriculum.

Spanish 10

GRADE: 10

Prerequisites:
Successful completion of Spanish 9

In Spanish 10, students will develop their ability to effectively communicate using more complex grammatical structures, verb tenses and vocabulary. They are expected to show greater mastery in oral, listening, reading, and writing skills. Students will also be encouraged to take part in more unfamiliar and unprepared discussions on a variety of topics, both general and more specific. Topics that will be explored include shopping, markets and bargaining, and childhood experiences. Students will be encouraged to present language within the context of the contemporary Spanish-speaking world and its culture. All students will be actively involved in hands-on activities, writing for different purposes, participating in group-work, assuming roles, utilizing technology and obtaining information from a variety of sources. Culture is also discussed in class, along with current events. The Realidades 2 textbook, Scholastic magazine "Ahora", and a variety of websites are used to support the Spanish 10 curriculum.

GRADE 11

French 11

GRADE: 11

Prerequisites:
Successful completion of French 10

In French 11, students further explore the Francophone world. Students are encouraged to take more risks in the language and discuss topics that are more complex and unfamiliar.

Course content will include more sophisticated grammar and verb tenses, nuances of vocabulary and idiomatic expressions. All students will be actively involved by completing hands-on activities, writing for different purposes, participating in group work, assuming roles, utilizing technology and obtaining information from a variety of sources.

The "Le monde en francais" textbook, extracts of French movies, and of short stories, and a variety of Internet sites such as tv5.org will be used to support the French 11 curriculum.

A Grade 11 language course is a requirement for direct entry to some BC universities from high school.

Spanish 11

GRADE: 11

Prerequisites:
Successful completion of Spanish 10

In Spanish 11, students continue working on developing their fluency and ability to think on their feet and make more refined and deeper connections with their world and the world around them, in particular the Spanish-speaking world.

Course content will build on previous knowledge of verb tenses, broaden vocabulary, and offer opportunities to analyze and give and defend opinions on a variety of fiction, non-fiction, musical and other audiovisual works. All students will be actively involved in hands-on activities, participating in group work, assuming roles, utilizing technology and obtaining and discussing information from a variety of sources. Students will explore topics such as: health and well-being, interpersonal relationships, natural disasters, and the environment. The Realidades 2 and 3 textbooks and complementary website, the Scholastic magazine "El sol", the novels La Casa en Mango Street and Como agua para chocolate, and a variety of websites are used to support the Spanish 11 curriculum.

A Grade 11 Language course is a requirement for direct entry to some BC universities.

GRADE 12

French 12

GRADE: 12

Prerequisites:
Successful completion of French 11

The French 12 course uses a communicative approach where students continue to work towards fluency in French by employing increasingly complex verb tenses and structures. This course stresses both oral and written competency. In French 12, students are encouraged to take part in debates and higher level conversations about a variety of general and specific topics. Students will use a variety of idiomatic expressions in their compositions and will engage in meaningful dialogues.

Course content will include sophisticated grammar, compound and complex verb tenses, nuances of vocabulary, and a variety of multimedia works. All students will be actively involved by completing hands-on activities, participating in group work, assuming roles, utilizing technology, writing for different purposes, and obtaining information from a variety of sources. Students will explore topics such as: social relationships, world issues and health.

The "Le monde en français" textbook, extracts of French movies and short stories, and a variety of Internet sites such as tv5.org will be used to support the French 12 curriculum.

Spanish 12

GRADE: 12

Prerequisites:
Successful completion of Spanish 11

The Spanish 12 course uses a communicative approach where students continue to work towards fluency in Spanish by employing increasingly complex tenses and structures through the exploration of relevant, timely and engaging topics, both local and global. This course stresses both oral and written competency.

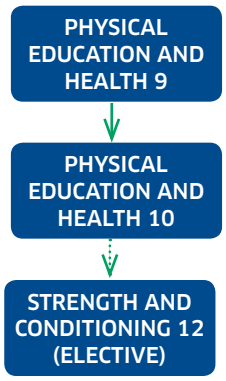
Course content will include increasingly complex grammar, compound and complex verb tenses from the indicative and subjunctive moods, nuances of and higher level vocabulary, and a variety of multimedia works, both print and electronic. All students will be expected to take on an active and more self-directed role in class. Students will explore topics such as: immigration and tolerance, rituals and traditions, responsible tourism and globalization.

The Realidades 3 textbooks and complementary website, the Scholastic magazine "El sol", novels, articles and a variety of websites are used to support the Spanish 12 curriculum.

Physical Education and Health

Physical Education and Health is mandatory for all students in Grades 10. The Senior School PE&H curriculum builds on and embeds the physical development and skills learned in Grades 6, 7, 8, and 9. This allows students to become more competent, confident and expert in their techniques, applicable across a variety of sports and physical activities. By the end of Grade 10, students should understand the determinants of effective performance and how to apply these principles to their own and others' work. They should be able to develop the confidence and interest to get involved in exercise, sports and activities out of school and in later life, and to understand and apply the long-term health benefits of physical activity. Students should also be able to tackle more complex and demanding physical activities. They should involve themselves in a range of activities that develop personal fitness and promote an active, healthy lifestyle.

PE Programme Pathways



GRADE 10

Physical Education and Health 10

GRADE: 10

Prerequisites:
None

PE and Health 10 is a required course for graduation, building upon previous work completed in Grade 9. The course represents the key components of Movement and Active Living, and the specific elements of Safety, Fair Play and Leadership. We endeavour to further develop physically literate students and empower them to lead and sustain a healthy lifestyle through regular physical activity. The following goals are reflected in the Prescribed Learning Outcomes for Physical Education 10:

- develop appropriate knowledge and skills for participating actively, effectively, safely, and responsibly in a wide range of individual and dual activities, games, and rhythmic movement activities.
- students will develop the knowledge, skills, and attitudes that enable them to value, attain, and maintain an active healthy lifestyle.

Students complete units of work in following:

- Net/Wall Games
- Health-Related Activities
- Movement
- Striking / Fielding Games
- Invasive Games

GRADE 11 AND 12

Strength and Conditioning 11/12

GRADE: 11/12

Prerequisites:
PE 10

The strength and conditioning curriculum focuses on the principles of training, methods of training, and strength and conditioning concepts necessary to create, enhance and manage the improvement of physical performance. Students will partake in practical and theory components, designed to develop their understanding of how and why exercise impacts our fitness, strength and physical output.

Participants will take part in theory classes and be assigned theory tasks and assignments, that will provide them with the necessary knowledge, required for practical sessions. The course will be assessed through classroom-based work, assignments and practical sessions.

By the end of the course students should be able to:

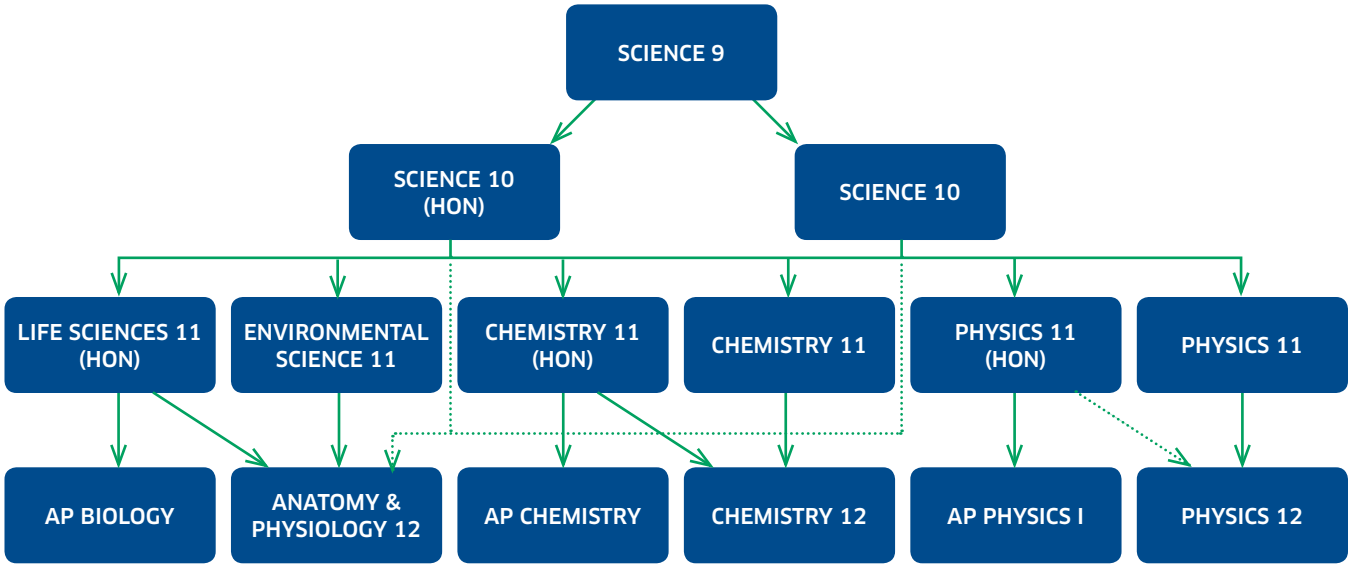
- Demonstrate an understanding of the principles of training and methods of training
- Understand strength and conditioning concepts and their effects on the body before, during and after exercise.
- Create, perform, monitor and adjust a sport specific fitness plan, specific to their individual needs and areas of development.
- Recognise the role of nutrition, hydration, rest and recovery in athletic performance.

Sciences

Today's increasingly technical world demands that ordinary people have a strong understanding of scientific principles in order to function well as responsible citizens. Southpointe Academy's program provides each student with a very strong background in science, offering a range of courses, including Advanced Placement, as shown below. All science courses stress problem solving and laboratory experience.

Science 9 through to Science 10 are required courses. Students must take at least one science course at the Grade 11 level or higher. The remainder are electives.

Science Programme Pathways



GRADE 10

Science 10

GRADE: 10

Prerequisites:
MYP Science 9

Science 10 begins with a diagnostic assessment of students to determine their baseline skills and knowledge. Topics of study include: Genes, the foundation for the diversity of living things; Chemical processes require energy change as atoms are rearranged; Energy is conserved, and its transformation can affect living things and the environment; and

The formation of the universe can be explained by the big bang theory. This course aims to develop students into scientifically literate inquirers who are able to think critically and creatively to solve problems and make decisions affecting themselves, others and their social and natural environments. An emphasis is placed on the scientific method and inquiry-based experimentation. Students are highly encouraged to participate in the Science Fair.

Textbook: *BC Science 10*

Science 10 (Honours)

GRADE: 10

Prerequisites:
MYP Science 9; Permission from the Head of Science; Entrance Assessment

Recommended:
Science 9 (above 4 in all criteria)

Science 10 Honours begins with a diagnostic assessment of students to determine their suitability for this course. The Honours course enriches topics to better prepare those students who will pursue AP courses in their senior years. Topics of study include: Genes, the foundation for the diversity of living things; Chemical processes require energy change as atoms are rearranged; Energy is conserved, and its transformation can affect living things and the environment; and

The formation of the universe can be explained by the big bang theory. This course aims to develop students into scientifically literate inquirers who are able to think critically and creatively to solve problems and make decisions affecting themselves, others and their social and natural environments. An emphasis is placed on the scientific method and inquiry-based experimentation. Students are expected to participate in the Science Fair.

Textbook: *BC Science 10*

GRADE 11

Anatomy and Physiology 12

GRADE: 11/12

Prerequisites:
Science 10

Recommended:
Above 73% in Science 10, or a Grade 11 Science (Chemistry 11 or Biology 11)

Anatomy and Physiology 12 prepares students for the study of the human body. The course begins with the fundamentals of biochemistry, with focus on biological molecules and enzyme activity. An emphasis is placed on understanding the mechanisms of integration and control. Students will then study DNA, cells, tissues, organs, and organ systems, with a key expectation of understanding how the body systems interact to maintain homeostasis. Activities – including dissections, laboratory inquiries, construction of models, and the use of internet resources – allow students to further explore the topics introduced in this course. The aim is to develop students into scientifically literate inquirers who are able to think critically and creatively to solve problems and make decisions affecting themselves, others and their social and natural environments.

Textbook: *BC Biology 12*

Chemistry 11

GRADE: 11/12

Prerequisites:
Science 10; Entrance Assessment

Recommended:
Above 73% in Science 10

Chemistry 11 prepares students for the study of chemistry at senior levels. It emphasizes the study of matter and its interactions, and it introduces new laboratory techniques, with focus on safety and the correct use of instruments. Topics of study include the atomic theory, the periodic table, the mole concept, chemical reactions, solution chemistry, and organic chemistry. Skills to perform calculations, such as unit conversions and reporting numerical values to the correct number of significant figures, are integrated into the course. Through the application of the scientific method, students develop the ability to design, plan and conduct laboratory inquiries. This course aims to develop students into scientifically literate inquirers who are able to think critically and creatively to solve problems and make decisions affecting themselves, others and their social and natural environments.

Textbook: *Hebden Chemistry 11*

Chemistry 11 Honours

GRADE: 11

Prerequisites:
Science 10 Honours, or Science 10 with permission from the Head of Science; Entrance Assessment

Recommended:
Above 86% in Science 10 Honours

Chemistry 11 Honours prepares students for the study of AP Chemistry. It begins with a diagnostic assessment of students to determine their suitability for this course. In addition to the units taught in Chemistry 11 (atomic theory, the periodic table, the mole concept, chemical reactions, solution chemistry, and organic chemistry), the Honours course includes some Chemistry 12 and AP Chemistry 12 topics, such as orbital diagrams, VSEPR theory, reaction kinetics, and electrochemistry. Skills to perform calculations, such as unit conversions and reporting numerical values to the correct number of significant figures, are integrated into the course. Through the application of the scientific method, students develop the ability to design, plan and conduct laboratory inquiries. This course aims to develop students into scientifically literate inquirers who are able to think critically and creatively to solve problems and make decisions affecting themselves, others and their social and natural environments.

Textbook: *Hebden Chemistry 11*

Environmental Science 11

GRADE: 11 & 12

Prerequisites:
Science 10

Recommended:
Above 73% in Science 10

Environmental Science 11 is a course that explores the ecosystem. It will address biodiversity, energy flow, population dynamics, change, sustainability, and conservation. Activities – including field studies, case studies, debates, and the use of internet resources – allow students to further explore the topics introduced in this course. The aim is to develop students into scientifically literate inquirers who are able to think critically and creatively to solve problems and make decisions affecting themselves, others and their social and natural environments.

Textbook: *Biology (Miller and Levine)*

Life Sciences 11 Honours

GRADE: 11

Prerequisites:
Science 10 Honours, or Science 10 with permission from Head of Science

Recommended:
Above 86% in Science 10 Honours

Life Sciences 11 Honours prepares students for the study of AP Biology. It covers the same curriculum as Life Sciences 11, but in more depth, including the use of mathematics to model evolutionary change. Units of study include: the characteristics of living things, the process of evolution, and taxonomy. Students will study the cell and then the representative organisms from the five major kingdoms. A key expectation is understanding how similar characteristics and the development of adaptive features in organisms contribute to evolutionary lineage. In addition, students will study biodiversity and ecology, focusing on the relationships of organisms to each other and to the environment. Activities – including dissections, laboratory inquiries, case studies, debates, and the use of internet resources – allow students to further explore the topics introduced in this course. The aim is to develop students into scientifically literate inquirers who are able to think critically and creatively to solve problems and make decisions affecting themselves, others and their social and natural environments.

Textbook: *Biology (Miller and Levine) and AP Biology (Campbell)*

Physics 11

GRADE: 11 & 12

Prerequisites:
Science 10 or Science 10 Honours

Recommended:
Above 73% in Science 10 or Science 10 Honours, and above 73% in Foundations of Math and Pre-Calculus 10

Physics 11 provides students with an introductory insight and understanding of the physical world by examining the scope, nature, relevance and limitations of physics. Physics 11 focuses on the principles and theories of physics, encourages investigation of physical relationships, and illustrates the relationship between theory and application. This course begins with the study of an object's motion in one dimension, which includes predicting an object's motion, and the effect forces have on motion. Students will learn about the different forms of energy, and how they are able to perform work. The final topic explores mechanical waves, including sound waves.

Textbook: *Openstax College Physics*

Physics 11 Honours

GRADE: 11 & 12

Prerequisites:
Science 10 Honours or Science 10 with permission from Head of Science

Recommended:
Above 86% in Science 10 or Science 10 Honours or Pre-Calculus 11

The Honours physics program is more specialized than the regular program and is excellent preparation for those students intending to complete Physics 11 and Physics 12 in one year. Physics 11 will be completed by the end of the term 2. The Physics 12 remaining chapters which do not overlap with Physics 11 will be taught in term 3. Physics 11 focuses on the principles and theories of physics, encourages investigation of physical relationships, and illustrates the relationship between theory and application. This course begins with the study of an object's motion in one dimension, which includes predicting an object's motion, and the effect forces have on the motion. Students will learn about the different forms of energy, and how they are able to perform work. The final topic explores mechanical waves, including sound waves.

Physics 12 provides opportunities for students to understand and apply the principles and concepts of physics to practical situations. The first sections of the course expand upon concepts studied in Physics 11; kinematics, dynamics, and work power energy are elaborated on, and this course introduces the concept of momentum. New topics include translational and rotational equilibrium, electrostatics and electromagnetism.

Textbook: *Openstax College Physics*

GRADE 12

Anatomy and Physiology 12

GRADE: 11/12

Prerequisites:
Science 10

Recommended:
Above 73% in Science 10, or a Grade 11 Science (Chemistry 11 or Biology 11)

Anatomy and Physiology 12 prepares students for the study of the human body. The course begins with the fundamentals of biochemistry, with focus on biological molecules and enzyme activity. An emphasis is placed on understanding the mechanisms of integration and control. Students will then study DNA, cells, tissues, organs, and organ systems, with a key expectation of understanding how the body systems interact to maintain homeostasis. Activities – including dissections, laboratory inquiries, construction of models, and the use of internet resources – allow students to further explore the topics introduced in this course. The aim is to develop students into scientifically literate inquirers who are able to think critically and creatively to solve problems and make decisions affecting themselves, others and their social and natural environments.

Textbook: *BC Biology 12*

Chemistry 11

GRADE: 11/12

Prerequisites:
Science 10; Entrance Assessment

Recommended:
Above 73% in Science 10

Chemistry 11 prepares students for the study of chemistry at senior levels. It emphasizes the study of matter and its interactions, and it introduces new laboratory techniques, with focus on safety and the correct use of instruments. Topics of study include the atomic theory, the periodic table, the mole concept, chemical reactions, solution chemistry, and organic chemistry. Skills to perform calculations, such as unit conversions and reporting numerical values to the correct number of significant figures, are integrated into the course. Through the application of the scientific method, students develop the ability to design, plan and conduct laboratory inquiries. This course aims to develop students into scientifically literate inquirers who are able to think critically and creatively to solve problems and make decisions affecting themselves, others and their social and natural environments.

Textbook: *Hebden Chemistry 11*

Chemistry 12

GRADE: 12

Prerequisites:
Chemistry 11 or Chemistry 11 Honours

Recommended:
Above 73% in Chemistry 11 or Chemistry 11 Honours

Chemistry 12 prepares students for the study of chemistry at the university level. Topics include reaction kinetics, dynamic equilibrium, solubility equilibrium, acids and bases, oxidation-reduction reactions and electrochemistry. This course promotes proficiency in designing and carrying out laboratory inquiries, while simultaneously providing the necessary information for students to explain processes at the atomic level. Through the application of the scientific method, students continue to develop the ability to design, plan and conduct laboratory inquiries. This course aims to develop students into scientifically literate inquirers who are able to think critically and creatively to solve problems and make decisions affecting themselves, others and their social and natural environments.

Textbook: *Hebden Chemistry 12*

Environmental Science 11

GRADE: 11 & 12

Prerequisites:
Science 10

Recommended:
Above 73% in Science 10

Environmental Science 11 is a course that explores the ecosystem. It will address biodiversity, energy flow, population dynamics, change, sustainability, and conservation. Activities – including field studies, case studies, debates, and the use of internet resources – allow students to further explore the topics introduced in this course. The aim is to develop students into scientifically literate inquirers who are able to think critically and creatively to solve problems and make decisions affecting themselves, others and their social and natural environments.

Textbook: *Biology (Miller and Levine)*

Physics 11

GRADE: 11 & 12

Prerequisites:
Science 10 or Science 10 Honours

Recommended:
Above 73% in Science 10 or Science 10 Honours, and above 73% in Foundations of Math and Pre-Calculus 10

Physics 11 provides students with an introductory insight and understanding of the physical world by examining the scope, nature, relevance and limitations of physics. Physics 11 focuses on the principles and theories of physics, encourages investigation of physical relationships, and illustrates the relationship between theory and application. This course begins with the study of an object's motion in one dimension, which includes predicting an object's motion, and the effect forces have on motion. Students will learn about the different forms of energy, and how they are able to perform work. The final topic explores mechanical waves, including sound waves.

Textbook: *Openstax College Physics*

Physics 11 Honours

GRADE: 11 & 12

Prerequisites:
Science 10 Honours or Science 10 with permission from Head of Science

Recommended:
Above 86% in Science 10 or Science 10 Honours or Pre-Calculus 11

The Honours physics program is more specialized than the regular program and is excellent preparation for those students intending to complete Physics 11 and Physics 12 in one year. Physics 11 will be completed by the end of the term 2. The Physics 12 remaining chapters which do not overlap with Physics 11 will be taught in term 3. Physics 11 focuses on the principles and theories of physics, encourages investigation of physical relationships, and illustrates the relationship between theory and application. This course begins with the study of an object's motion in one dimension, which includes predicting an object's motion, and the effect forces have on the motion. Students will learn about the different forms of energy, and how they are able to perform work. The final topic explores mechanical waves, including sound waves.

Physics 12 provides opportunities for students to understand and apply the principles and concepts of physics to practical situations. The first sections of the course expand upon concepts studied in Physics 11; kinematics, dynamics, and work power energy are elaborated on, and this course introduces the concept of momentum. New topics include translational and rotational equilibrium, electrostatics and electromagnetism.

Textbook: *Openstax College Physics*

Physics 12

GRADE: 12

Prerequisites:
Physics 11

Recommended:
Above 73% in Physics 11

Physics 12 is the study of classical mechanics and electrostatics, designed to help students develop analytical and problem-solving skills. It provides opportunities for students to understand and apply the principles and concepts of physics to practical situations. The first sections of the course expands upon concepts studied in Physics 11; kinematics , dynamics and work power energy are elaborated on, and this course introduces the concept of momentum. New topics include translational and rotational equilibrium, electrostatics, electromagnetic waves, electromagnetism and circular motion.

Textbook: *Openstax College Physics*

Social Sciences

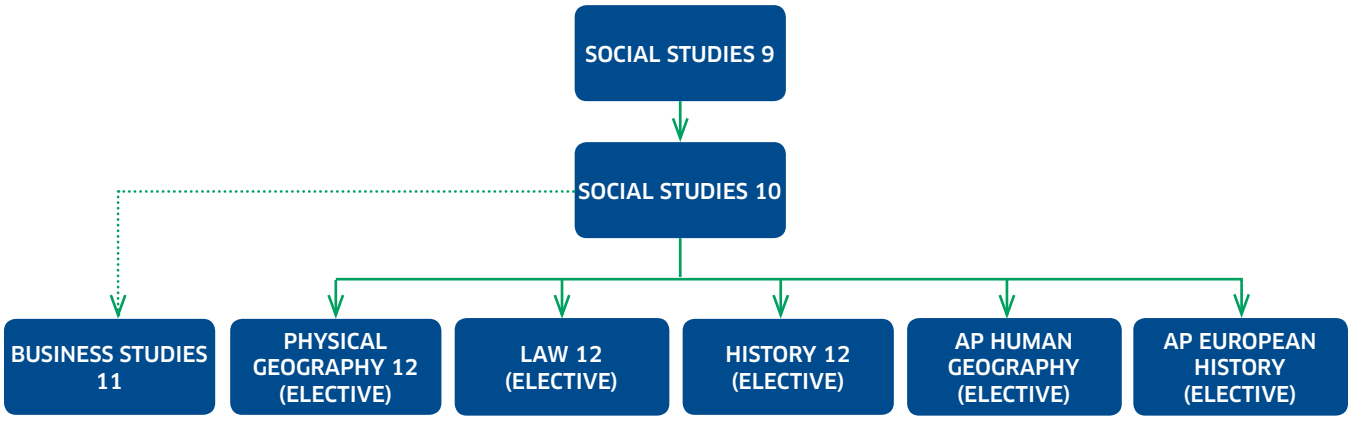
The Social Sciences curriculum builds upon the work completed in Grades 6-9 Individual and Societies courses during the student's MYP years. Social Science courses in Grades 10-12 are wide-ranging and dynamic, dealing with human relationships and the study of societal functioning. Social Studies during Grade 10 specifically draws upon a variety of disciplines that include history, geography, law, economics, philosophy, political science, psychology, religion, and sociology. It fosters interest in current events and responsible decision-making. It primarily serves to help students develop the ability and understanding to make informed decisions about the world they live in. In Grades 11 and 12, students have a variety of options to choose from to further build upon their understanding after Grade 10. Separate disciplines in Geography, History, Law, and Business Studies offer students greater choose, breadth, and area of interest to explore, and in doing so, allowing Southpointe Academy students grow into more knowledgeable, ethical and responsible citizens.

Students are required to take Social Studies 10, and at least one Social Science course from the following list to meet Graduation requirements:

- AP European History
- AP Human Geography
- History 12
- Physical Geography 12
- Law

While Business Studies 11 cannot be used to meet the specific Social Sciences 11 or 12 requirement, it is still an approved course worth 4 credits towards graduation and is offered as an elective for Grades 10-12.

Social Science Programme Pathways



GRADE 10

Social Studies 10

GRADE: 10

Prerequisites:
MYP Individuals & Society 9

Socials Studies 10 covers Canada from the end of world war one to present day. The focus is on the role played by Canada on the world stage in the twentieth century, including its involvement during World War II and in the subsequent post-war era. The course will also analyze the development of the Canadian Identity as a nation during this critical period in world history. More specifically, students will learn about the political structure of the country, its role in international affairs, and how it relates to current events at home including the role of the truth and the reconciliation commission. Students also study the geographical topic of population and its impact on human and environmental issues at a global scale.

Business Studies 11

GRADE: 10/11/12

Prerequisites:
None

Business studies enables students to understand and appreciate the nature and scope of business, and the role that it plays in society. The course covers economic, environmental, ethical, governmental, legal, social and technological issues. It encourages students to develop a critical understanding of business organizations, the markets they serve and the process of adding value. Students will also study the marketing process, management of organizations, human resources and the importance of enterprise.

GRADE 11

Business Studies 11

GRADE: 10/11/12

Prerequisites:
None

Business studies enables students to understand and appreciate the nature and scope of business, and the role that it plays in society. The course covers economic, environmental, ethical, governmental, legal, social and technological issues. It encourages students to develop a critical understanding of business organizations, the markets they serve and the process of adding value. Students will also study the marketing process, management of organizations, human resources and the importance of enterprise.

Physical Geography 12

GRADE: 11/12

Prerequisites:
80% or above in Socials Studies 10

In Physical Geography 12 students will study the features and processes of plate tectonics, rivers, glaciers and natural disasters as well as their effects on both the human race and the planet. The characteristics of global biomes will be studied, including climate, weather, soil, and vegetation. Finally, students will learn how to evaluate and analyze the formation of landforms, weather patterns and extreme weather.

Law 12

GRADE: 11/12

Prerequisites:
Minimum of 80% in Social Studies 10

Law 12 is designed for students to glean an appreciation for how all forms of the law work, develop an understanding of legal principles, and the rights and responsibilities as defined in the Constitution Act and the Charter of Rights and Freedoms. Law 12 enhances the skills needed to clearly express and articulate ideas, argue effectively and logically, ponder ethics and morals, and interpret the written text.

History 12

GRADE: 11/12

Prerequisites:
80% or above in Socials Studies 10

History 11 will focus on the twentieth century breakdown of long-standing imperialist structures and the creation of new economic and political systems. Students will look at how nationalist movements can unite people in common causes or lead to intense conflict between different groups such as in WW1 and WW2 including the rise and rule of authoritarian regimes such as in Germany as well as civil wars like Rwanda. Students will also learn about independence movements, the human rights movements such as black civil rights in the USA and apartheid in South Africa, and the revolutionary movements in such places as Russia and Cuba. Finally students will also study religious, ethnic, and/or cultural conflicts, including the Arab-Israeli conflict and the Armenian genocide.

GRADE 12

Business Studies 11

GRADE: 10/11/12

Prerequisites:
None

Business studies enables students to understand and appreciate the nature and scope of business, and the role that it plays in society. The course covers economic, environmental, ethical, governmental, legal, social and technological issues. It encourages students to develop a critical understanding of business organizations, the markets they serve and the process of adding value. Students will also study the marketing process, management of organizations, human resources and the importance of enterprise.

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GRADE: 11/12

Prerequisites:
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Course Changes & Withdrawals

Course Changes

Requests to change a course, once selected and approved, will not be available until the week before school starts. The University & Career Counselor will be available during the entire week to assist students with course changes. Please be aware that no course changes are allowed during the first week of school. The window for requesting a change of course will open at the beginning of the second week of term and will close at the beginning of October.

Course Change Forms are available from the University & Career Advisor, Mrs. Kirkwood. They must have the signed approval of the teacher of the dropped course, the teacher of the new course, and parent/guardian authorization. Once the form is completed with appropriate signatures, the University Advisor will ascertain whether space is available in the new course, and whether eligibility criteria, if present, has been met. The application will then be forwarded to the Principal for final authorization.

Course Withdrawals

There are no course changes allowed after the cut-off date. Please note: Students taking AP courses cannot change courses once committed.

Important dates for course changes and withdrawals are listed below:

- August 27 – 31, 2018: University & Career Counselor available for course changes
- September 5 – 7, 2018: No course changes permitted
- September 10 – October 5, 2018: Course changes available

Policy On External Credits And Summer School Courses

Students who have entered the Southpointe Graduation Program may consider taking a course either online or through a summer school program administered by another organization. In order to proceed, a student must first seek permission from the University & Career Counselor. Mrs. Kirkwood will be able to assess needs and impact upon graduation progress before sanctioning.

Therefore, if a student should be considering an application to the University & Career Counselor regarding permission to undertake an external course credit, then the following policy should be noted:

Students cannot use online or summer course completion to advance in English Language Arts. All English courses must be completed at Southpointe Academy at each grade level. For all other subject areas, external courses for credit may be taken or considered for permission to be taken under the following circumstances:

- when a course is not offered in the Senior School;
- when a student can not take a course due to a scheduling clash;
- when a student wants to upgrade a course mark already earned at Southpointe;
- when a student would like to complete a course in preparation for the same course to be taken at Southpointe (this is subject to approval from the relative Head of Department, and sanctioned by the Principal);
- when a student needs to retake a course failed at Southpointe. This may be applicable for a student who is required to do so under the terms of an academic probation order.

External course credits will not automatically lead to enrolment in the next grade level of work. Southpointe reserves the right to determine eligibility when a prerequisite is presented from an outside course provider. Some Departments may require a challenge exam to be completed to establish authenticity of subject knowledge prior to enrolment. Please check with the University & Career Counselor for full details regarding external course credits.

Students who pass external courses with accredited educational institutions will have this detail clearly identified on all Southpointe Academy Transcripts. Transcripts produced by the BC Ministry of Education will not identify any external providers of course credits.