

Samuel Robertson Technical Secondary
Course Planning Book
2020/2021

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Welcome to Samuel Robertson Technical Secondary School!

We are excited that you are looking to pursue your high school education at SRT and we have a great network of teachers, educational assistants, counsellors, and administrators to help support you and your educational journey!

SRT opened in September 2006. Currently we have almost 750 students in Grades 8-12 attending our school plus approximately 60 students for Apprenticeship Programs. We offer a wide variety of courses, opportunities and extra-curricular activities to enhance your high school experience!

Please feel free to stop by to talk to or meet with your grade level administrator or counsellor to explore all the course options available to you.

Getting Started: Making Choices

When we select courses for high school or post-secondary, we make our selections for a number of reasons. Some of them might be: grad requirement, post-secondary requirement, fun/enjoyable, new challenge/discovery, friends in the course, easy credit, or no other choice. In considering any course, we must reach beyond these simplistic reasons and evaluate the benefits of the course in larger and longer terms. How can we do this?

Sit down with your parents and discuss your career/educational goals. Do you know what your career goals are? Have you done any exploration to help you understand the education and skills required to reach your career goal? If you don't have a career goal, how can you best exercise your options so as to ensure that you will be able to have a wide variety of choices when you graduate? Are you aware of your interests, skills, learning styles and values? These will impact any decision you make.

Before selecting any course you need to do some research on the course. No single source will be sufficient. In order to avoid surprises and disappointment you must check multiple sources! You can find out about the course from the:

- SRT Website: Course Planning
- Course outline on the school/teacher website Ministry of Education website
- Teachers of the course or subject area
- Students who have taken the course

Ask yourself the following questions when deciding what courses to select:

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| • Do I need this course for graduation? | • Does it help me apply for scholarships and bursaries? |
| • Do I need this course for post-secondary education? | • Does this course have career potential for me? |
| • What skills will I learn? (life/practical skills) | • What are the learning outcomes? |
| • How will these skills help me as: a person, an employee, a member of society? | • What is the course content? |
| • Will it help me get my first job? | • How will the content be delivered? |
| • Does it enhance my resume? | • What is the method(s) of evaluation? |
| | • What are the teacher expectations? |

Make an informed choice first! If you rely on the school to make choices for you, you are likely to be disappointed!

Graduation Requirements

Students graduating after June 30, 2018 are on the B.C. Graduation Program.

To graduate, they require at least 80 credits total.

Of these 80 credits:

- At least 16 credits must be at the Grade 12 level, including a required English Language Arts 12
- At least 28 credits must be elective course credits

52 credits are required from the following:

- Two Career Education courses (8 credits total)
- Physical and Health Education 10 (4 credits)
- Science 10 (4 credits), and a Science 11 or 12 (4 credits)
- Social Studies 10 (4 credits), and a Social Studies 11 or 12 (4 credits)
- A Math 10 (4 credits), and a Math 11 or 12 (4 credits)
- A Language Arts 10, 11 & 12 (12 credits total)
- An Arts Education 10, 11, or 12 and/or an Applied Design, Skills, and Technologies 10, 11, or 12 (4 credits total)
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In addition, students on the B.C. Graduation Program must also complete two new graduation assessments aligned with the redesigned curriculum – one in literacy and one in numeracy:

Graduation Numeracy Assessment

The Graduation Numeracy Assessment was introduced in 2018

January 2018 – managed implementation with small subset of students

June and August 2018 – full provincial implementation

Students who have already taken the Math 10 provincial exam may use it to satisfy the Graduation Numeracy Assessment requirement

Graduation Literacy Assessment

The Graduation Literacy Assessment will be introduced in January 2020

Students who have already taken a Language Arts 12 exam may use it to satisfy the Graduation Literacy Assessment requirement

All students graduating in the 2018/19 school year will take a Language Arts 12 course and associated provincial exam to satisfy this graduation requirement. For 2019/20 and beyond, the following career education courses will be used in all BC schools:

- Career Life Education
- Career Life Connections

What do you need to take to Graduate? Planning ahead is important so that you don't find yourself short of credits or courses when you are in Grade 12.

Grade 8 Program

The SRT Grade 8 Program is designed to better meet the academic, social and emotional needs of adolescents transitioning from elementary to secondary school. Students' core curriculum will be taught by a team of 2-4 teachers (English, Socials, Science, and Math). The courses will run over the whole year.

PE/French will be on a day 1/day 2 system. In our EnCore courses (Explorations) students will be combined with students from other teams and will be on a rotating basis.

English 8/Social Studies 8

English 8 introduces various reading and comprehension strategies, a self-directed reading program, experimentation with and knowledge of various types of communication, the development of conventional language skills, and exposure to a variety of literary genres, such as drama, short story, novel and poetry. Social Studies 8 surveys world civilizations with a focus on Europe from 700 CE to 1750. It also covers the New World civilizations of the Aztecs, Mayans, and Incas. Geographic skills are reinforced and expanded by application to the various content areas.

Math 8/ Science 8

This course expands on the foundations of mathematics including the concepts of number, patterns, shape, and probability and statistics. Technology is integrated throughout the course so students are encouraged to bring a device to access online resources. Students have the option to gain credit for Math 8 Honours by completing enrichment honours assignments and projects and participating in the Canadian Mathematics Competition. Science 8 involves investigations in Biology, Chemistry, Physics, and Earth Science. It provides an introduction to the scientific method, safety, and laboratory investigations.

Physical Health Education 8

Physical Health Education 8 will include an introduction and exposure to a selection of activities from each of five movement categories: alternative environment, dance, games, gymnastics and individual/dual activities. All instruction will be focused on fostering an appreciation for physical, social, and mental well being through a diversified program of activities.

Languages 8 (French/Spanish)

The Languages Department is both proud and excited to be offering our Grade 8 students a Language rotation. Students will have the opportunity to learn and discover both French and Spanish language and culture. Students will take half the year of basic Spanish and the other half will cover the French 8 curriculum. Our goal is to provide our students the opportunity to engage and embrace learning a second language. Students will then have the choice to take Spanish 9, French 9 or both the following year.

Electives

EnCore 8—Block 1 on Day 1

Students are to choose one of the 3 options offered on Day 1, Block 1. These courses will stress hands-on participation. Safety is emphasized and life-long learning patterns fostered.

Option 1 : Year-round Metalwork

Option 2: Year-round Culinary**

Option 3: Elective Rotation – Sewing, Drama, Drafting, Computers and Art. Each component will last approximately 6 weeks.

*Metal Work 8: Students coming into grade 8 at SRT have the option of a year long course in Metal Work. Grade 8's will be introduced to some basic hand and machine tool operations to complete a variety of exciting projects. This year long course is ideal for the students who are wishing to take further Tech-Ed courses in their grade 9 year.

**Culinary Arts 8: is offered as a year-round Applied Skill elective option. During the course of the grade 8 year students will be introduced to basic cooking & baking techniques, proper use & care of a chef's knife & other kitchen equipment. Students will complete Food Safe Level 1 and receive a certificate essential for employment in the cooking industry.

EnCore 8—Block 4 on Day 2

Students will rotate through six different electives: Photography, Foods, Metal, Wood, Music, and Titan-Up. The content for the Titan-Up Rotation includes: socio-emotional literacy, social media, personal and social responsibility, health choices, how to stay afloat academically, and what it means to be a Titan!

Grade 9 Program

Grade 9s are given the opportunity to begin selecting courses that meet their interests and passions, and continue to maintain the academic program they began in Grade 8.

English 9

Students will work with more mature subject matter and themes, and will demonstrate growth in various areas. Increased focus will be given to formal

written expression in paragraph and essay forms, and oral expression including presentations and poetry. Content may include play study and storytelling, short stories, literature circles, creative writing, and the use of technology.

Socials Studies 9

European history is surveyed from the 18th to the 19th centuries with a focus on the French and Industrial Revolutions. North American history focuses on the foundation of the United States and Canadian history 1800 to 1918. This course will examine power structures, revolution and the development of the modern political system.

Science 9

Science 9 involves continued investigations in Biology, Chemistry, and Physics. Laboratory investigations are a component of this course.

Math 9

This course expands on mathematical concepts covered in Grade 8 by introducing polynomials, exponent laws, linear equations and relations, and financial literacy. Technology is integrated throughout the course so students are encouraged to bring a device to access online resources. Students have the option to gain credit for Math 9 Honours by completing enrichment honours assignments and projects and participating in the Canadian Mathematics Competition.

Physical Health Education 9

Physical Education 9 will include exposure to a wide variety of team, partner and individual activities with emphasis on basic skill development, fitness and sportsmanship. Students will also participate in active health labs. The students will participate in some off-campus activities as an introduction to community based recreation opportunities.

Languages: Choose at least one (unless you did not take Languages 8)

French 9

This is a course still primarily focused on the acquisition of French language skills. Students will continue to develop and improve their vocabulary and grammar which will enable them to engage in authentic French dialogues. This course is project based with many student centered activities. Participation is the key to success in this course. The thematic units in French 9 are: Free time, At home, In the City, Vacation. Prerequisite – successful completion of French 8 with “S” work habit.

Spanish 9

This course is an introduction to Spanish for students in grades 9 and 10 who wish to pursue a second language. The emphasis will be on language acquisition through reading, writing, listening and speaking. Students will be immersed in Spanish culture from around the world and learn about friends, school, food and pastimes/hobbies. Prerequisite: Languages 8 with "S" work habit.

Grade 9 Electives

***Grade 9s should take at least 1 ART EDUCATION and 1 ADST course**

*****Students should select at least 2 electives. *Select 3 if you are not in a language.***

Drama 9 (ART EDUCATION)

If you enjoyed the short rotation of Drama in Grade 8, you will love Drama 9/10! This year we will go more in depth with scene study and play productions that will be performed for an audience. We may even have an evening performance! We will film commercials and PSAs, perform monologues, and explore greater use of movement, memorization and concentration skills, expression, and characterization.

Art 9 (ART EDUCATION)

Open to all Grade 9 and 10 students. Come and explore the elements and principles of design as they apply to drawing, painting and sculpture. Students will learn various techniques to develop both drawing and painting skills in portraiture, still life and landscape. Work with various mediums such as charcoal, pastels, and acrylics. Enjoy 3-D sculpture work with clay and paper mache. Learn block print making and create comic art.

Guitar 9 – Beginner (open to all grades)(ART EDUCATION)

Students will experience the fundamentals of the guitar while learning how to read music. Students will learn different strumming and picking techniques while working on a range of music from classical to contemporary. Public performance is a component of this course.

Digital Photography 9 (ART EDUCATION)

Digital Photography focuses on understanding the basic operations and functions of a digital camera and the manipulation of its settings to achieve a specific result. Students will learn about photographic elements of art and principles of design, composition, and lighting. Students learn image techniques and digital manipulation using Adobe Photoshop and Lightroom, teaching them how to archive, organize and optimize their photographs for print or web purposes. Students will learn how to manage and creatively alter digital images as well as critically analyze the use of visual media as a means of communication in our society today.

Computers 9 (ADST)

This course is designed to educate students on the ever-changing digital world, as well as to provide hands-on experience with industry standard software and equipment. The curriculum covers a wide range of areas, so it appeals to a diverse group of students. Topics covered in computer classes include graphic design, animation, audio production, video production, and web design.

Textiles 9 (ADST)

Express your unique sense of style. This course is an introduction to clothing construction. Students will learn the basics of sewing on sewing machines and sergers. Various sewing techniques and the reading of commercial patterns will be a focus. Evaluation is based on theory, practical work and daily progress. Projects include: handbags, pajamas, skirts and shorts.

Culinary Training 9 (ADST)

These courses are designed to give students a basic overview of working in a restaurant or banquet style kitchen. Areas of study include: basic cooking & baking skills, proper use & care of a chef's knife & other kitchen equipment. Students will complete Food Safe Level I and receive a corresponding certificate essential for employment in the food service industry. Daily production of food for the school's cafeteria provides students with the hands on opportunity to develop marketable skills which can lead to direct employment.

Foods 9 (ADST)

Students will start with basic recipes and the theory accompanying them, then progress to more difficult and multi-course meals. Topics covered include, principles of food production and their relationship to the environment, nutrition, careers in hospitality, food marketing, and consumerism. This course will provide students with more than the basics to prepare meals at home, or start off in the food industry. Please note that this course is 60% practical and 40% theory.

Woodwork 9 (ADST)

Woodwork 9 and Woodwork 10 are introductory courses that are available to all grade 9 and 10 boys and girls. The course places great emphasis on safe work practices through all of the stages of project development and completion. Students will complete a minimum of 2 teacher assigned projects. Through inquiry and design, many students will have the opportunity to complete a third project of their choice. Some of the machines used at this level will include mitre saw, table saw, jointer, thickness planer and most portable electric and cordless tools. Accurate measurement and work will be an ongoing part of the course. Appropriate finishing methods will be explored as well.

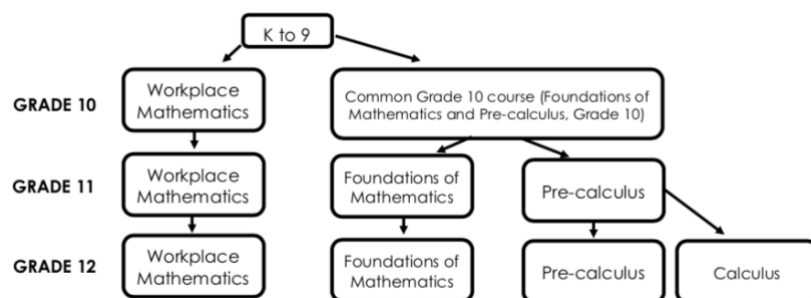
Metalwork 9 (ADST)

Metalwork 9 and Metalwork 10 are introductory courses that are available to all grade 9 and 10 students. The course places great emphasis on safe work practices through all of the stages of project development and completion. Students will complete a minimum of 2 teacher assigned projects. Through inquiry and design, some students will have the opportunity to complete a third project of their choice. Some of the machines used at this level may include: band saw, lathe, milling machine, welders as well as most portable electric and cordless tools. Accurate measurement, good design and quality work will be an ongoing part of the course. Appropriate finishing methods will be explored as well.

Grade 10-12

Mathematics 10-12

Mathematics is a core program for graduation and is required at every grade up to and including grade 11. All courses and streams are designed to improve students' numeracy, reasoning, problem solving, as well as to provide prerequisite attitudes, knowledge, skills and understandings for specific post-secondary programs or direct entry into the work force. **Teachers, students and counsellors should work together to determine the best option for students, according to their needs and abilities. Options to upgrade during summer school or elsewhere will be available.**



Workplace Mathematics 10

This course allows students to continue working on the fundamentals of mathematics while exploring proportion, trigonometry, models, graphs, geometry, and data and statistics. This course is intended for those students who are planning direct entry into the workforce or some apprenticeship programmes after graduation, and directly prepares students for Workplace 11. Check the entrance requirements for the programme of study you are planning to take.

Foundations of Mathematics and Pre-Calculus 10

This is a theory-based course with many algebraic topics including expressions, powers, polynomials, equations, relations, trigonometry and data analysis. This course prepares students for either Foundations 11 or Pre-Calculus 11, which are university and college prerequisites. Recommended prerequisite is a "C" or better in Math 9.

Workplace Mathematics 11

This applied mathematics course meets the requirement for graduation. Topics include proportion, shape and space, statistics and financial literacy. This course is intended for those students who are planning direct entry into the workforce and some post-secondary programmes. Check the entrance requirements for the programme of study you are planning to take. Prerequisite is Workplace Math 10.

Foundations of Mathematics 11

This course meets the mathematics requirement for graduation. It is designed to provide students with mathematical understandings and critical thinking skills identified for post-secondary studies that do not require the study of theoretical calculus. Topics include trigonometry, quadratic functions and systems, probability, statistics, and financial literacy. Check the entrance requirements for the programme of study you are planning to take. Recommended prerequisite is a "C" or better in Foundations and Pre-Calculus Math 10.

Pre-Calculus 11

This course meets the mathematics requirement for graduation. This course is designed for students who require a strong mathematical background for future studies in the fields of science, engineering, computer studies, and economics. Topics include trigonometry, polynomial and exponential functions, radicals, powers, and quadratic functions and equations. Check the entrance requirements for the programme of study you are planning to take. Recommended prerequisite is a "C+" or better in Foundations and Pre-Calculus Math 10.

Foundations of Mathematics 12

This course builds on the concepts taught in Foundations of Mathematics 11. It is designed to provide students with the deeper mathematical understandings and skills identified for post-secondary studies that do not require the study of theoretical calculus (such as the social sciences). Topics include polynomials, exponential and logarithmic functions, trigonometry, regression, combinatorics, and probability. Check the entrance requirements for the programme of study you are planning to take. Recommended prerequisite is a "C" or higher in Foundations Math 11 or Pre-Calculus 11.

Pre-Calculus 12

This course is designed to provide students with the deeper mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include transformations, polynomial and rational functions, conic sections, exponential and logarithmic functions, trigonometry, and sequences and series. Recommended prerequisite is a "C+" or higher in Pre-Calculus 11.

Calculus 12

This course is intended for students who plan on taking a Calculus course in college or university. The goal of this course is to expose students to first year level calculus topics, such as limits, derivatives, applications of the derivative, integrals, and applications of integrals. Although the topics are traditionally college or university level, Calculus 12 is a grade 12 provincial curriculum math credit that does not replace Pre-Calculus 12. This course is also used as an Independent Directed Study or IDS course, where students have the option to show their understanding of Calculus by working with the teacher to design their own 1 – 3 credit course. Recommended prerequisite is a "B" in Pre-Calculus 11.

Science 10-12

Students must take Science 10, as well as at least **one Science 11**. It is important to research what sciences you may need for your post-secondary plans, as many programs (including some trades) require specific courses.

Science 10

Science 10 prepares students for the senior sciences. Topics of study include Biology, Chemistry, Physics, and Earth Science. Laboratory investigations are a component of this course.

Science 11 Courses (pick at least one)

Life Sciences 11 (Biology)

Are you curious about the living world around you? Do you love puppies? Roses? Probiotic yogurt? Through a series of lab-based activities, students will investigate the evolutionary history of living things, delving deeper into the nature of bacteria and viruses, plants and fungi, and members of the animal kingdom.

Chemistry 11

This course focuses on the concept of equilibrium and reactions occurring in forward and reverse directions. Topics include: reaction kinetics to make a reaction bigger and better, equilibrium balance of chemical reactions, solubility, how acids and bases react in our world, and the electrochemistry of oxidation and reduction.

Physics 11

This hands-on course is an introduction to the physical world of every-day lives. Topics include waves (earthquake, sound, light), motion (speed, acceleration), forces (gravity, friction), momentum (collisions), energy and power. Special relativity (time travel) and nuclear (fission and fusion) are also introduced. Projects include bottle rockets and the egg drop. Field trips include Castle Fun Park and Playland.

Earth Science 11

This lab focused course includes the following topics: earth's environment, resources, weathering, erosion, volcanoes, earthquakes, plate tectonics, geologic time, fossils, earth's history, oceanography, meteorology, ocean currents, and astronomy.

Science 12 Courses

Anatomy & Physiology 12 (Biology)

Are you curious about how the human body works? Anatomy & Physiology examines the human body from the level of the individual cell, up to complex organ systems. Physiology examines topics including DNA and enzyme function. Anatomy focuses on the digestive, cardiovascular, lymphatic, respiratory,

urinary, nervous, and reproductive systems. Prerequisite – Biology 11**
Recommended: Chemistry 11 ** Priority given to students with Biology 11 in the event the course is full.

Chemistry 12

Enter a world that describes the batteries that power your laptop and cell phones, the equilibrium balance of chemical reactions, how acids and bases react in our world, and how to speed up a reaction to make it bigger and better. Prerequisite – Chemistry 11

Physics 12

This lab focused course is a two-dimensional continuation of kinematics, dynamics, momentum, work, energy and power from Physics 11. New material includes electricity and magnetism in three dimensions, torque, and centripetal motion. Field trips include Boeing and Stave Falls Powerhouse. Pre-requisite: Physics 11

Social Studies 10-12

Students must take:

Social Studies 10 in Grade 10, and
At least ONE Grade 12 Social Studies course in grade 11 or 12

Social Studies 10 (required)

This course focuses on the role of Canada following WWI, the Depression, WWII, and the post-war development of Canadian culture, politics and identity. These include the rise and decline of separatism in Quebec, the Cold War, and Canada's continuing development as an independent multi-cultural nation. The course covers Canada's system of government at the federal, provincial, and municipal levels.

Senior Social Studies (choose at least one to take in Grade 11 or 12)

Comparative Cultures 12

Comparative Civilizations offers a sample study of a variety of civilizations focusing primarily on ancient history. It is said that many aspects of historical and cultural influences are revealed within their past. The roots of religion, mythology, government, philosophy, art, architecture, and theatre are revealed within course studies. Included in this study is the importance of understanding other cultural traditions and their influence on North America. A wide variety of opportunities for studying ancient civilizations are provided including class discussions, videos, research, ethical and philosophical debates. A few areas of study include: Prehistoric societies, Ancient Egypt, Greece, Medieval Europe....

Physical Geography 12

Geography is a subject that integrates many academic disciplines. It addresses both the physical and human-created systems of the world in the study of people, places, and environments. It serves as an excellent introduction to first year courses at college or university. Specifically, we will investigate how the earth works – in the air, on the ground, under the ground, and among living things. We examine how humans adapt to and alter the physical environments around them. We explore how humans have special attachments and uses for particular places. We ask questions about what it all means... what's our connection to the world around us and how can we promote sustainable wellness in our communities and beyond?

Social Justice 12

The aim of Social Justice 12 is to raise student awareness of social injustices in today's society. Topics of study include: Activists & Activism, Genocide & Crimes Against Humanity, Consumption & Globalization, Women & International Development, and Identity: SOGI, Gender Stereotypes, Discrimination, Cultural Appropriation and Aboriginal Rights. Students will have opportunities to examine their own beliefs and values as well as support or challenge their beliefs and values through reflection, discussion, and critical analysis. This course builds on students' sense of justice; motivating them to think and act ethically and empowering them to realize their capacity to positively affect change in the world.

20th Century World History 12

This course covers world history from the end of World War I to the breakup of the Soviet Union. Some important topics include the aftermath of World War I, the events surrounding World War II, and the Cold War between the U.S. and the U.S.S.R. It also focuses on decolonization and Middle Eastern history.

Law Studies 12

In Law 12, we particularly focus on criminal law, including trial procedures, policing in Canada, and the Youth Criminal Justice Act. We also study the history of law and the rights and freedoms of Canadians. Throughout each unit we examine current events, interesting legal cases and may view some films that relate to the legal concepts we study. The course includes a possible field study to the Vancouver Law Courts to observe what really happens.

Philosophy 12

Philosophy is the original academic discipline from which every other subject arose, and it attempts to explore and explain all of life's most important questions. We will examine moral issues such as war, capital punishment and poverty using complex arguments that focus on facts, not feelings. We will also explore some of history's most famous philosophers from the ancient Greeks to Enlightenment thinkers. This course will test your ability to use logic and reason

when examining any kind of complex issue. How do we achieve true knowledge? Can we prove that existence is real? Is it possible to prove the difference between right and wrong? Does God exist? In Philosophy 12, there are no limits. We will examine everything you believe and possibly change the entire way you look at the world. *Open to grades 11 and 12.*

Social Studies Electives:

These courses count for grade 12 credit but not as the Socials 11/12 requirement

Criminology 12

Criminology is the study of crime, the explanation of why crime occurs and the examination of crime reduction. Through readings, guest speakers, film, video and class discussions, students will examine the interactions between law and society, law and crime, law and the criminal justice system, and the criminal justice system and society. Criminology combines elements of both Law and Psychology. It differs from Law 12 in that Criminology is not interested in knowing the law; rather it focuses on the dynamics behind the crime and the laws put into place to deal with crime.

Psychology 11

A senior-level, academic course designed to introduce students to the field of psychology and ideally promote its further study at the post-secondary level. Studying psychology will quickly begin to change the way you perceive yourself and those around you, and enhance your understanding and insight into how we think, act and express ourselves. Topics covered will include such things as: parts of the brain and how they function, personality tests and theories, developmental psychology (from infancy to adolescence), psychological disorders, forensic/criminal psychology, sleep and dreams, stress, social psychology, group interaction and more. Psychology 11 is an interactive class that involves reading, watching films, and group discussion. This course will occasionally have field trips and guest speakers.

English Language Arts

From Shakespeare to Poetry, Contemporary Fiction to Graphic Novels—students are required to take 4 credits of English Language Arts in Grade 10, 11 and 12. Students may also choose to take additional ELA courses as electives in Grade 11 and 12, such as New Media, Creative Writing and more.

Grade 10:

English 10 will consist of 2 combined courses which are two credits each. Both of these courses will be blended, taught, and graded by the same teacher. This year students will select one of two options for English 10.

******All students in all sections will continue to cover traditional essay and paragraph writing, creative writing, poetry, and reading various types of

literature, but will have an additional area of focus either by term, or inclusive throughout the year.

English 10 Option 1: New Media 10/ Literary Studies 10

English 10 Option 2: Spoken Language 10/Composition 10

New Media/Literary Studies: is designed for students interested in literature in general and will allow students greater depth in exploring writing from a variety of sources. Studies may include plays, Canadian Lit, novels, poems, short stories, and more. Classes may also focus on a particular author, theme, or time period of study. The New Media component is designed to reflect the changing role of technology in today's society by recognizing the importance of digital media in communicating and exchanging ideas. Possible areas of study will include media and film studies (globalization of the media industry, influence, perceptions, and documentaries), journalism and publishing, poetry and song lyrics, and digital communication (blogs, web writing, podcasts etc).

Spoken Language/Composition: Students will engage in READING, Watching, WRITING, Presenting, SPEAKING, LISTENING to a variety of literature with the focus on improving our spoken language skills. Students explore Lyrical Language (poems, spoken word, story-telling, songs), multimedia and social media world, book talks on issues or topics of interest to the students. In addition, we will study plays and a selection of speeches, movies and videos.

Grade 11:

English 11 is now streamed. Students are required to choose **at least one** of the following, but may choose to take more than one as additional electives (AND can take in Grade 12)

Creative Writing 11 is designed for students who are interested in developing confidence and refining their writing skills through self-expression for various creative purposes. We will be reading, writing, talking and listening to a variety of genres with the focus on improving our creative writing skills. We will use the creative writing process to explore a variety of types of writing. It is a survey course, meaning students will try to develop their skills in a variety of genres and styles using the creative writing process. Possible areas of focus include: short fiction, poetry, children's literature, graphic novels, drama/script writing, creative non-fiction, reviews and memoir.

Literary Studies 11

Take a closer look at various famous writers and the genre of literature that made them famous. This course will look at a variety of literature ranging from

novels (fiction and non-fiction), short stories, poetry and possibly one play. Students will explore famous authors' works, discuss and appreciate their skills and talents, what they bring to the writing community and how these literary works influence and impact our current society. Have you ever wondered why some books are banned? Why some authors are labelled as rebellious and discuss the reasons for the censorship of their books. This course will encompass all of the above while developing writing skills including essays, paragraphs, and creative writing.

New Media 11

New Media 11/12 is a course designed to reflect the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas. Instead of using traditional novels and Shakespeare plays, this course seeks to use more modern forms of media to take a look at issues that are affecting today's generation of youth. Through a study of film, online videos, journal articles, TED talks, and a variety of examples of social media, the students in New Media 11/12 will explore modern issues such as cyberbullying, general stereotypes, media bias, environmental issues and an overall umbrella of how to find a sense of self in the modern technological age. This course may also have an area of focus on the graphic novel as literature.

Grade 12 (REQUIRED):

English Studies 12 (required) or English 12 Honours/Enriched*

The required English Studies 12 course builds on and extends students' previous learning experiences in ELA and EFP 10 and 11 courses and continues to work with students to:

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

Enriched English Studies 12 will cover not only the English 12 curriculum, but will also focus on resources that challenge students to think analytically and

critically. Students will be reading and responding to literature in a variety of forms including research essays, literary essays, and critical analysis to further prepare students who may be preparing for post secondary studies. Students who have a strong work ethic and interest in the Humanities should take this course.

Recommended prerequisite is a B or higher in English 11.

Grade 12 English ELECTIVES:

Creative Writing 12 is designed for students who are interested in creating a body of work reflective of a sophisticated breadth and depth of skill. The course provides students with opportunities to specialize and publish in real-world contexts. Within a supportive community, students will collaborate and develop their skills through writing and design processes. Students will refine their ability to write in complex, controlled styles with effectiveness and impact. The following are possible areas of focus within Creative Writing 12: fiction, poetry, drama/script writing, creative non-fiction, and memoir.

New Media 12 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. Compared with New Media 11, New Media 12 features tasks and texts of greater complexity and sophistication. As well, the Grade 12 course extends the depth and breadth of topics and activities offered in New Media 11.

The following are possible focus areas in New Media 12:

- media and film studies – suggested content/topics include the globalization of the media industry, influence of media on users' perceptions, documentaries in the age of digital media
- journalism and publishing – suggested content/topics include the changing roles and structures within news organizations; risks, challenges, and opportunities associated with professional journalism
- digital communication – suggested content/topics include blogging, writing for the web, writing for social media, gaming, podcasting

Physical Health Education 10-12

PHE 10 —Mandatory—Co-Ed

Instructional emphasis will be placed on the development of the students' leadership skills and abilities. Students will be taught more advanced skills and strategies and be given the opportunity to maintain and improve their fitness levels. There will be more off-campus activities offered, as exposure to "sport for life" will be emphasized. ****Students must take a physical health education class in Grade 10. Basketball 10 does not count as a PHE 10 Credit.**

Advanced Basketball 10/11

This course will develop students' individual sport skills, physical strength and conditioning, health and nutritional knowledge, coaching team building and leadership skills, goal setting and organizational skills within a basketball setting. Classes throughout the year will include basketball specific skill instruction, theory sessions, strength and conditioning workouts and officiating training. **APPLICATION IS REQUIRED.**

Athletic Leadership (10-12)

Athletic Leadership 10, 11, 12 is open to students in grades 10-12 who are interested in developing their leadership skills within the context of athletics and intramurals at SRT. This course will provide background theory in leadership styles while providing relevant practical experience for student leaders who want to be part of the athletics/recreation culture here at SRT. Students will learn to work on their own and in group settings. They will be the key members of a student driven athletics culture at SRT for years to come.

**** This course will run outside the timetable.**

Active Living 11/12 (Co-ed)

The Senior P.E. curriculum allows students to pursue a variety of community based activities. This course offers students the chance to participate in a wide variety of physical and leisure activities offered in an enjoyable recreational based atmosphere. Many activities take place off campus, utilizing the recreational facilities that we have in our community i.e. curling, bowling and gymnastics. Students will also be provided with the opportunity to experience some of the outdoor physical pursuits that can be found in the Lower Mainland – Windsurfing, Paddle Boarding, Hiking etc. Some extracurricular service work is also required through volunteer services in the school/community.

Active Living 11/12 (Girls)

This course focuses on living a healthy lifestyle and achieving mental wellness. We will explore the knowledge, skills and attitudes necessary to incorporate physical activity into regular routines. Activities may include, but are not limited to, Yoga, Aerobics, Pilates, core & resistance training, hiking, walking and community/school service and leadership activities.

Fitness and Conditioning/Strength 11/12

This course is for the students who want to take a higher level fitness course that focuses on the individual Principles of Training. The goal of this course is for students to acquire the knowledge necessary to train safely using proper techniques and principles to improve strength, flexibility, and stamina. Students must have completed PE 10 with a minimum B average and have permission from the instructor to enrol in this course.

Hockey Academy 10-12

A typical week for Academy players includes:

- 2 hours on ice, skill based instruction
- 1 hour off ice conditioning/events or class room sessions—Theory instruction provides players with skill breakdowns, progressions, practice planning, proper nutritional strategies for high-level performance and motivation and goal setting.

Modern Languages 10-12

French 10

This is an intermediate Language course designed to fine tune and expand students' ability to communicate in French. They will learn more sophisticated vocabulary and grammar to further develop their skills. Similarly to previous French courses, French 10 is project based with many student centered activities. Participation is the key to success in this course. The thematic units in French 10 are: Family & Friends, Celebrations, Daily Routine.

French 11

This is a course which will enrich both the functional and cultural aspects of the students' learning experience. Students will engage in spontaneous French conversations which explore a variety of topics. This course predominantly focuses on collaborative assignments. Therefore attendance and active participation are the key to success in this course. The thematic units in French 11 are: Back to School, Workplace, Health & Fitness.

French 12

This is a senior level language course. Students will be given the opportunity to choose the topics they wish to explore relative to French culture and language. This course is not only student centered but rather student guided where their experience is more of a language learning lab and the teacher is a facilitator. Access to a computer with internet will be integral for success.

Spanish 10

This course is an intermediate language course and a continuation from Spanish 9. Students will continue to develop and improve language acquisition through reading, writing, listening and speaking. This project based course will continue to immerse students in Spanish culture from around the world and learn about family, home, fashion, travel, and media.

Spanish 11

Through the appreciation of Spanish culture, students will learn more about the traditions and backgrounds of all Spanish speaking countries. More emphasis will be placed on Language acquisition through speaking and writing. Themes include: school, celebrations, community and the past. Students will also work collaboratively on a culminating project to demonstrate their previously acquired language skills or for those students who are interested in continuing onto Spanish 12. Plan for a Spanish Immersion experience.

Spanish 12

This is a senior level language course. Students will interact in spontaneous and meaningful real-life situations using more complex vocabulary and grammar. Activities will include a self-directed analysis and discussion of Spanish culture culminating in an interactive group inquiry project, or immersion experience in a Spanish speaking community abroad. The teacher will act as a facilitator and guide students towards the completion of the project.

Electives 10-12

Arts Education & Applied Design, Skills and Technologies (ADST):

- Students are required to take a minimum of one Arts Education or an ADST class at the Grade 10, 11 OR 12 level.
- Students will take Grade level courses, unless the course is not available
- Grade 10 students at SRT may take grade 10 or 11 Elective(s)
- **Students can choose to take more than one language course, Science, Social Studies, or English course as an elective as well!**

ARTS EDUCATION

Drama 10

If you are interested in acting or performance, you will love Drama 10! This year we will go more in depth with scene study and play productions that will be performed for an audience. We may even have an evening performance! We will film commercials and PSAs, perform monologues, and explore greater use of movement, memorization and concentration skills, expression, and characterization.

Drama 11/12

See yourself in the spotlight! The audience is hanging on your every word! Acting is exactly what you've been looking for! You will learn to develop expression of emotion, voice projection, accents, characterizations, and blocking. You will be expected to memorize and present a variety of scenes, monologues, and plays for student audiences as well as for at least one evening performance. All students in Acting must present on stage. Members of this class will be involved in all aspects of play production – from building sets, finding costumes, publicity, lighting, and sound.

Art 10

Open to all Grade 9 and 10 students. Come and explore the elements and principles of design as they apply to drawing, painting and sculpture. Students will learn various techniques to develop both drawing and painting skills in portraiture, still life and landscape. Work with various mediums such as charcoal, pastels, and acrylics. Enjoy 3-D sculpture work with clay and paper mache. Learn block print making and create comic art.

Art Studio 11/Art Studio 12

For students who have completed Art 9/10 and/or who are in Grade 11 & 12. Continue developing and refining your drawing and painting skills. Discover block printing methods, work with wire, clay, and paper mache to create 3-D sculptures. Learn through Art History interesting ways of working that include Abstraction, Surrealism, Conceptual and Environmental Art. Begin working on a personal art portfolio for post secondary studies.

Graphic Arts 11/Graphic Arts 12

If you are a senior and want to take a second art class, this is the one for you. Only available to art students who are already taking Art 11/12. Students may present independent project proposals for personal explorations with a particular medium or to create an art portfolio.

Guitar 10 – open to all grades (Instrumental Music 10)

Students will experience the fundamentals of the guitar while learning how to read music. Students will learn different strumming and picking techniques while working on a range of music from classical to contemporary. Public performance is a component of this course.

Guitar 11/12 – open to all grades (Instrumental Music 11/12)

An opportunity for students at the senior level to experience learning music for the first time. Due to varying levels of ability, achievement will be assessed based on individual progress. Previous students will continue their mastery of guitar techniques.

Intro to School of Rock (Contemporary Music 10)

Learn the basic skills needed to play Rock & Roll, including drums, bass, rhythm/lead guitar and vocals. Practice playing music with a group and performing in front of others in a supportive and low-pressure environment. Students will also begin composing and arranging using Garageband.

School of Rock (Contemporary Music 11/12)

Learn what it takes to be in a real Rock & Roll band while increasing your confidence and team work skills. Consisting of drums, bass, rhythm / lead guitar and vocals, students will form their own bands within the class, compose original music / lyrics and perform for their school community.

Digital Photography 9/10

Digital Photography focuses on understanding the basic operations and functions of a digital camera and the manipulation of its settings to achieve a specific result. Students will learn about photographic elements of art and principles of design, composition, and lighting. Students learn image techniques and digital manipulation using Adobe Photoshop and Lightroom, teaching them how to archive, organize and optimize their photographs for print or web purposes. Students will learn how to manage and creatively alter digital images as well as critically analyze the use of visual media as a means of communication in our society today. **If you took Photography 9, take Photography 11.**

Digital Photography 11

Building on the skills learned in photography 10, this course dives deeper into the artistic realm of digital photography. There will be several skills/techniques and processes that we will explore further in this course especially in terms of learning how to harness the power of a manual camera, as well as exploring editing software such as Adobe Lightroom and Adobe Photoshop. Students will also be introduced to using studio lighting and remote flash equipment which allow them to shape and mould their subjects to a very professional level. Students will explore the significance of photography within the larger context of the art world, and learn about the critical and varied application it has to the modern world. Students will show off their work in their digital photography blog portfolio. Prerequisite: Photography 10

BUSINESS AND TECHNOLOGY

Marketing 11

This course looks at basic marketing principles including advertising, promotions, displays, product development, packaging and branding. Students will learn valuable experience working in a small business (our school store) where they are trained in cash register skills, customer service and team cooperation.

Marketing 11 is a must for those interested in business or looking for a practical way to apply their creativity.

Entrepreneurship 12

This course is designed to provide students with an overview of the basic skills needed to start and run a business. Students will learn how to generate and evaluate business ideas, financial and legal requirements and marketing. The course will include a project that involves writing a business plan and making an online pitch to classmates.

Computers 10

This course is designed to educate students on the ever-changing digital world, as well as to provide hands-on experience with industry standard software and equipment. The curriculum covers a wide range of areas, so it appeals to a diverse group of students. Topics covered in computer classes include graphic design, animation, audio production, video production, and web design.

Digital Media (Media Design) 11/12

Digital Media Design 11/12 focuses on video editing & production, 3D modelling & animation, graphic design, and web design & development. Students will learn design principles, work on a variety of digital media projects, and develop a digital portfolio of their best work. The course will encourage students to learn and utilize technical and artistic skill and theory. The course is particularly suited for students interested in pursuing a career in graphic design, video game design, visual effects artistry, videography, 2D and 3D animation, and other new media jobs.

Media Production 11/12 (Yearbook)

Our main objectives will be to produce and print student publications. In addition we will be responsible for making the SRT yearbook. This is a course that requires commitment and attention to detail. You will develop extensive knowledge with all Adobe Photoshop / Publication software that can be readily adapted to the workplace. Past students have used the skills learned here to further their working careers once they graduate.

Microsoft I.T. Academy 11/ 12

This class enables students to obtain official Microsoft Certifications in a variety of Microsoft programs. This is a self-directed course in which students decide what program they wish to work on and when they are ready to take the official Microsoft examinations. This course will help students get an advantage when it comes to job applications and performance. Students will also gain confidence in the Microsoft Office Suite, which can improve efficiency with other courses both in High School and University. As this course is self-directed the number of

obtainable certifications can range from Word or Excel specialists to the ultimate goal of obtaining a MOS Master Certification.

HOSPITALITY

Textiles 10

Express your unique sense of style. This course is an introduction to clothing construction. Students will learn the basics of sewing on sewing machines and sergers. Various sewing techniques and the reading of commercial patterns will be a focus. Evaluation is based on theory, practical work and daily progress. Projects include: handbags, pajamas, skirts and shorts. **If you took Textiles 9, take Textiles 11.**

Textiles 11

Building on skills learned in Textiles 9-10, Textiles 11 focuses on projects using more difficult fabrics and construction methods. Projects include garments like yoga-wear or sweat pants, hoodies and bathing suits that use mainly knit fabrics. This course is mainly practical in nature. However theory plays an integral role in successful completion of projects. Pre-requisite: Textiles 9-10

Textiles 12

Calling all designers! A continuation of Textiles 11, this course will continue to build on skills already learned. Advanced sewing and tailoring techniques will be the focus. Sewing with specialty fabrics as well as basic design theory will be taught. Students are given more freedom to create free choice garments that suit their style and needs. Pre-requisite: Textiles 11

Culinary Training 10-12

These courses are designed to give students a basic overview of working in a restaurant or banquet style kitchen. Areas of study include: basic cooking & baking skills, proper use & care of a chef's knife & other kitchen equipment. Students will complete Food Safe Level I and receive a corresponding certificate essential for employment in the food service industry. Daily production of food for the school's cafeteria provides students with the hands-on opportunity to develop marketable skills which can lead to direct employment.

Foods 10

Students will start with basic recipes and the theory accompanying them, then progress to more difficult and multi-course meals. Topics covered include, principles of food production and their relationship to the environment, nutrition, careers in hospitality, food marketing, and consumerism. This course will provide students with more than the basics to prepare meals at home, or start off in the food industry. Please note that this course is 60% practical and 40% theory.

Foods 11

International Foods will introduce you to foods, dining customs, and food preparation techniques of various cultures from around the world. Classes will focus on learning through practical demonstrations and labs. Prerequisite – Foods 10

Foods 12

Students will continue to learn food preparation techniques that they will use to create delicious, nutritious and healthy meals. They will study social, economic and cultural influences on food. There is an emphasis on learning by cooking.

TECHNOLOGY AND TRADES

The Technology Education programs at SRT are designed to provide students with an opportunity to gain both the conceptual knowledge and a practical understanding of many technological processes used in our society today. The aims of the department include: the development of technical literacy, an understanding of universal safety practices, how to use tools, materials, systems and processes in an informed and responsible fashion, the practical application of knowledge and skills via hands-on design and problem-solving challenges, projects and labs.

Engineering 11/12

This course is hands-on and project based. Solo and team work will be emphasized. CAD- type programs, computer simulators, computerized sensors, 3D printers, and other technological tools will be used extensively. Projects include hovercrafts, robots, roller coasters, model rockets, toothpick bridges, and motor cars. There will be field trips to Greater Vancouver engineering sites.

Woodwork 10

Woodwork 9 and Woodwork 10 are introductory courses that are available to all grade 9 and 10 boys and girls. The course places great emphasis on safe work practices through all of the stages of project development and completion. Students will complete a minimum of 2 teacher assigned projects. Through inquiry and design, many students will have the opportunity to complete a third project of their choice. Some of the machines used at this level will include mitre saw, table saw, jointer, thickness planer and most portable electric and cordless tools. Accurate measurement and work will be an ongoing part of the course. Appropriate finishing methods will be explored as well.

Woodwork 11

Carpentry/Joinery 11 is a course that is available to grade 11 students who have never previously taken Woodwork or to students who have taken Woodwork 9 or 10. The course will focus on the safe operation of woodworking machines and tools while the student takes a project from the beginning stages right through

to finishing. The course will begin with a teacher assigned project but will quickly evolve into a course where students can design and produce a cabinet or furniture item of their choice or complete a cabinet or furniture item that the teacher has assigned. At this level, most machine, portable and cordless tools will be taught and used regularly. Great emphasis will also be placed on understanding personal safety practices and therefore choosing appropriate environmentally safe finishes and techniques. This course would be an excellent choice for a student wanting to enroll in the Kwantlen Partnership Carpentry program. *Recommendation that student is in grade 11/12 or has completed Woodwork 9 or 10.

Woodwork 12

This course is for the student who has taken Carpentry/Joinery 11. The course will be an extension of the grade 11 course and follows very closely the grade 11 course. More machine tools and processes will be explored and projects will be completed accordingly. Jig and fixture design is very likely at this level to allow students to produce multiple furniture parts. At this level students will be asked to challenge their own skill level. There are no teacher assigned projects at this level so it is expected that students will either design their own cabinet or furniture work in consultation with the teacher or will work on a teacher assigned cabinet and furniture project. Final discussion will also focus on historical, social, and cultural implications of wooden artifacts.

Metalwork 10

Metalwork 9 and Metalwork 10 are introductory courses that are available to all grade 9 and 10 students. The course places great emphasis on safe work practices through all of the stages of project development and completion. Students will complete a minimum of 2 teacher assigned projects. Through inquiry and design, some students will have the opportunity to complete a third project of their choice. Some of the machines used at this level may include: band saw, lathe, milling machine, welders as well as most portable electric and cordless tools. Accurate measurement, good design and quality work will be an ongoing part of the course. Appropriate finishing methods will be explored as well.

Metalwork 11

Metalwork 11 is a course that is available to grade 11 students who have never previously taken Metalwork or to the student who has taken Metalwork 9 or 10. The course will focus on the safe operation of metalworking machines and tools while the student takes teacher assigned projects from the beginning stages right through to finishing. The course will begin with some teacher assigned projects but may evolve into a course where some students can design and produce metalwork items of their choice through efficient problem solving. The Metalwork 11 course will focus on layout and fabrication, machining on the

lathe, the milling machine, arc and stick welding as well as some art metal. Basic metallurgy will also be discussed. This course would be an excellent choice for the student wishing to go into our BCIT partnership metal fabrication program. *Recommendation that student be in grade 11 or 12 or has completed Metalwork 9 or 10.

Metalwork 12

Metalwork 12 is a continuation of the Metalwork 11 course. Students taking this class ideally need to have taken Metalwork 11. At this level, it is assumed that students have a genuine interest in pursuing a Metalwork related occupation. This course will allow the student to further their Metalwork skills through teacher assigned projects but may also allow students to concentrate in chosen areas such as machining and welding. It is also very likely at this level that students will have moved from reading available shop drawings to generating their own to pursue a project through a perceived need. Some final discussions in this class might also focus on the recycling of metal items as well as historical, social and cultural implications of metal artifacts. *Recommendation that student has completed Metalwork 11.

SPECIALTY PROGRAMS

Leadership 10-12

The Leadership class is an elective which will be an unforgettable experience. The mandate of this course is to positively influence the school culture through planning and running school wide events and initiatives, as well as Peer Leadership with younger grades and feeder schools. This class does run out of the timetable at lunch and afterschool. Application required.

Link Crew 11-12

Link Crew is for Grade 11 & 12 students who want to support Grade 8 students transition into their first year at SRT. Link Crew provides training for its leaders to help Grade 8s learn what it means to be a Titan. Activities like September Orientation, academic follow ups, planning social activities, and meeting on an individual basis throughout the year, will help make the Grade 8 experience more memorable and successful! *** Students will be selected for Link Crew, this is not a course to sign up for ***Must be available for two (2) training dates the last week of August*** Students are CHOSEN for this course.