

# **LORD TWEEDSMUIR SECONDARY SCHOOL**



**Grades 8 & 9  
2025 – 2026**

## **COURSE PLANNING GUIDE**

[www.surreyschools.ca/schools/tweeds](http://www.surreyschools.ca/schools/tweeds)

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# GRADE 8 PROGRAM

**STUDENTS IN GRADE 8 MUST TAKE SIX REQUIRED COURSES, TWO ELECTIVE COURSES, AND CAREER EDUCATION.**

## **Six Required Courses:**

- Humanities 8 (English & Social Studies)
- Math 8
- Science 8
- Physical and Health Education 8
- French 8
- Career Education 8 (completed through Microsoft Teams)

## **Elective Options:**

**Students must choose an elective from Arts and an elective from Applied Design, Skills and Technologies.**

<b>ARTS</b>	<b>APPLIED DESIGN, SKILLS AND TECHNOLOGIES</b>
Art 8	Design Technology 8
Drama 8	Foods and Textiles 8
Dance 8	Information Technology 8
Band 8 (Concert or Jazz)	

Note: Students in Grade 8 **DO NOT** qualify for a study block. All students in Grades 8 and 9 must be enrolled in a minimum of eight classes.



# GRADE 9 PROGRAM

**STUDENTS IN GRADE 9 MUST TAKE FIVE REQUIRED COURSES, THREE ELECTIVE COURSES AND CAREER EDUCATION.**

## **Five Required Courses:**

- English 9
- Social Studies 9
- Math 9
- Science 9
- Physical and Health Education 9
- Career Education 9 (completed through Microsoft Teams)

## **Elective Options:**

Students must choose one elective course from Applied Design, Skills and Technologies and one elective course from Arts and a third elective course from any category.

ARTS	APPLIED DESIGN, SKILLS AND TECHNOLOGIES	MODERN LANGUAGES
Art 9	Drafting 9	French 8
Art 9 Ceramics and 3-D Sculpture	Electronics 9	French 9
Dance 9	Film and TV 9	Spanish 9
Drama 9	Metalwork 9	
Animation 9	Woodwork 9	
Band 9 (Concert or Jazz)	Entrepreneurship/ Marketing 9	
	Information Technology 9	
	Foods 9	
	Textiles 9	
	Animation 9	

Note: Students in Grade 9 **DO NOT** qualify for a study block. All students in Grades 8 and 9 must be enrolled in a minimum of eight classes.



## CAREER EDUCATION GRADES 8 & 9

Career Education 8 & 9 are delivered as non-enrolling courses and will be completed online through Microsoft Teams. The Learning Standards for Career Education 8 & 9 are met through student participation in various assignments and activities over the course of the school year.

### CAREER EDUCATION COURSE DESCRIPTION

The Career Education curriculum seeks to engage students in a variety of activities relevant to individual planning and career exploration. Over the course of high school career education, students will begin to see how their personal ideals, skills, and passions impact their daily decision making. In addition to learning about themselves, students will learn about a variety of career related topics including current trends in careers, post secondary schooling options and the application process, scholarships, employment marketing, among others. The end goal for all students completing Lord Tweedsmuir's Career Education Program, is that they would leave with a sense of confidence and understanding of how their unique skill set may be applied to various educational and career paths, leading to a long and rewarding career in the field of their choosing.

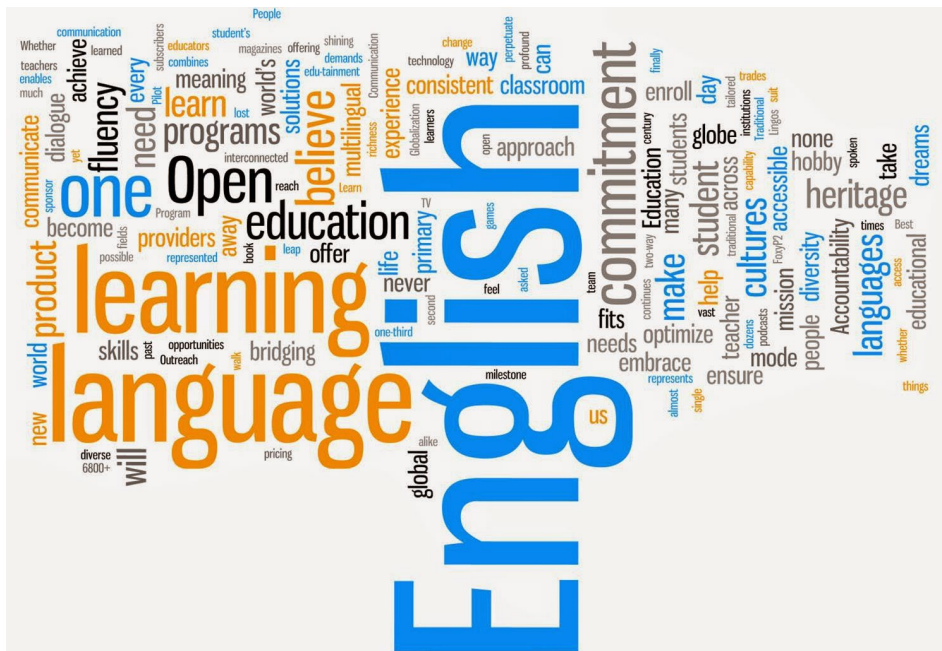
**Grade 8** Students will build on the foundation of Career Education developed in elementary school, and will explore in greater depth, their skills and passions to determine possible pathways towards a career. This inquiry and work will be assigned and submitted online using Microsoft Teams.

**Grade 9** Students will continue to explore concepts such as identity, leadership, personal planning, and transferable skills. They will draw direct connections between personal strengths and career planning. This inquiry and work will be assigned and submitted online using Microsoft Teams.

# ENGLISH LANGUAGE ARTS

## ENGLISH 9

This is an academically rigorous language and literature course that aims to provide many challenging opportunities for students to grow as individuals, learners and citizens through reading, writing, listening, speaking, viewing and representing. Through the study of *oral, written, visual and digital texts*, students will explore big ideas including the understanding that texts are created for different purposes and audiences, and recognizing that sharing multiple perspectives extends thinking. This course will develop an understanding and build a connection to literature, as well as provide opportunities to communicate and create various texts. Students will examine how literary elements, techniques and devices help to create and improve meaning; use inquiry processes to engage with various ideas; and develop metacognitive skills that improve abilities to think critically, creatively and reflectively. This course will be guided by the First Peoples' Principles of Learning.



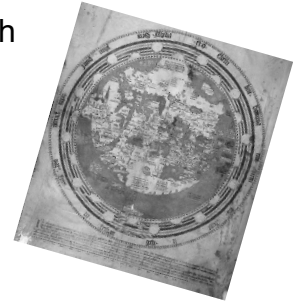
## HUMANITIES DEPARTMENT

### HUMANITIES 8

The school subject of Humanities blends **English 8** and **Social Studies**. The term “humanities” comes from the Renaissance term “humanism,” which is the study of human thought, foundational ideas, expressions of culture, and social organization. In this course, we learn writing skills, develop strategies to help with reading comprehension, practice spoken communication, and learn how to understand and create visual texts. We also cover the geography, history, politics, economics, and art of the period from 600 to 1750 CE.



Humanities 8 runs through both semesters, and students will work with the same teacher and class for the entire school year. One of the goals of the Humanities program is to support each student through his, her or their transition into secondary school. We act as an unofficial homeroom and facilitate a caring, safe space for students in their first year at LTSS. Strong family-school communication is an asset to this transition process.



Humanities 8 is also the basis of the Humanities House Cup, a competition between all Humanities classes to earn points through socially responsible behaviours and leadership, as well as in monthly competitions organized by Senior Leadership and the Humanities Department. Students are awarded Panther Points cards, which they submit each month; the points are added to their class team’s totals, and Senior Leadership does a draw every month for a \$25 gift card. This helps engage our newest students in the school community, encouraging them to make a difference. We look forward to welcoming you to Lord Tweedsmuir.

## MODERN LANGUAGES DEPARTMENT

The Lord Tweedsmuir Languages Department provides opportunities for students to develop functional and spontaneous communication skills in the target language and an openness towards other cultures. The language program seeks to provide students with the necessary skills to perform real-life tasks, share ideas, and acquire information. Grammar instruction plays a supportive role, as does training in useful strategies that facilitate communication and comprehension.

Students will participate in a wide variety of speaking, listening, reading and writing experiences. To encourage openness towards other cultures, language classes will incorporate elements of the following: anecdotes, cultural comparisons, exposure to food, music, arts, and optional field trips and events.

French 8 is mandated at the grade 8 level to fulfill the requirements of the Ministry Language Education Policy. After French 8, students may choose to pursue their language learning with French 9, Spanish 9 or both! For long term planning, please consider that a Grade 11 or 12 language course may be required for certain university programs.

**NOTE:** Students with a recent background in French Immersion or Intensive French, and students who are transferring in from other provinces or countries should consult the counsellor and Modern Language department head to determine the Core French level appropriate for them before the semester begins.

### **FRENCH 8**

French 8 focuses on the four communicative skills (listening, speaking, reading and writing) in situations that are relevant and personally meaningful. Students also explore elements of francophone cultures in Canada and the world.

### **FRENCH 9**

It is strongly recommended that students complete French 8 prior to enrolling in this course. French 9 builds upon the acquired knowledge, skills and attitudes introduced in French 8 and offers students further opportunities for authentic interaction in French. Students will increase their ability to communicate effectively in French (listening, speaking, reading and writing) by expanding their vocabulary and developing their repertoire of grammatical structures and language learning strategies. Students will increase their awareness of francophone culture and are encouraged to identify similarities and differences between these cultures and their own.

### **SPANISH 9**

It is strongly recommended that students complete a Language 8 course prior to enrolling in this course.

This course is designed to develop communication skills through listening, speaking, reading and writing as well as to introduce the student to basic Spanish grammar structures and vocabulary. It also introduces students to the culture, traditions and daily lives of Hispanic people.





## Flowchart for French, Spanish & Punjabi



### Elementary Level:

Core French 5-7

Intensive French 5-7, French Immersion or Transfer from another province/country with extensive French hours

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#### FRENCH

French 8



French 9



French 10



French 11



French 12

*Optional DELF exam*

#### SPANISH

Spanish 9



Spanish 10



Spanish 11



Spanish 12

*Optional DELE exam*

#### PUNJABI

Punjabi 10



Punjabi 11

### PLEASE NOTE:

1. If a Grade 8 students' background in French exceeds the level and hours required in the elementary Core French program, they may be granted permission by the Department Head to advance to French 9 or to Spanish 9. Students should clarify their language background to the counsellor when completing their course selection, to ensure appropriate placement before the semester begins.
2. If a student's French language skills are determined by the Department Head to be two grade levels superior, the student may be recommended to wait one year before enrolling at that level or to take Spanish for a year. Students more than two grade levels up often feel uncomfortable and not engaged in the learning community as they are not with students close to their age range. They may also lack the maturity to connect with the curriculum and expectations at that level.
3. Spanish heritage speakers may take a placement test to determine the level where they would be most successful. Contact counselling or speak to the Spanish teacher directly to arrange the assessment.



## MATHEMATICS DEPARTMENT

### **MATHEMATICS 8**

Mathematics is one way of trying to understand, interpret and describe our world. The goal of Math 8 is to provide students with the opportunity to further their knowledge, skills, and attitudes related to mathematics. New mathematical ideas will be developed through concrete, pictorial and symbolic representations of mathematics.

The big ideas of mathematics addressed in the grade 8 course focus on ratios, rates, & percents, operations with fractions, linear relationships, surface area and volume of 3D objects, and averages. These big ideas will be explored through content and curricular competencies.

Mathematics is a required course from grade 8 to grade 11. Mathematics and Calculus are optional courses in grade 12.

### **WORKPLACE MATHEMATICS 8**

Workplace Mathematics 8 is a locally developed course for identified students who would benefit from increased emphasis on development of basic numeracy skills. The content of this course is different from the Mathematics 8 curriculum.

*Parents of students placed in **Workplace Mathematics 8** will be notified of the placement at the end of their Grade 7 year. Parents and students should contact the student's alpha counsellor when a concern or question arises concerning this math placement.*

### **MATHEMATICS 9**

Mathematics is one way of trying to understand, interpret and describe our world. The goal of Math 9 is to provide students with the opportunity to further their knowledge, skills, and attitudes related to mathematics. New mathematical ideas will be developed through concrete, pictorial and symbolic representations of mathematics.

The big ideas of mathematics addressed in the grade 9 course focus on solving algebraic equations, operations with rational numbers, linear relationships, scale and similarity, and statistics. These big ideas will be explored through content and curricular competencies.

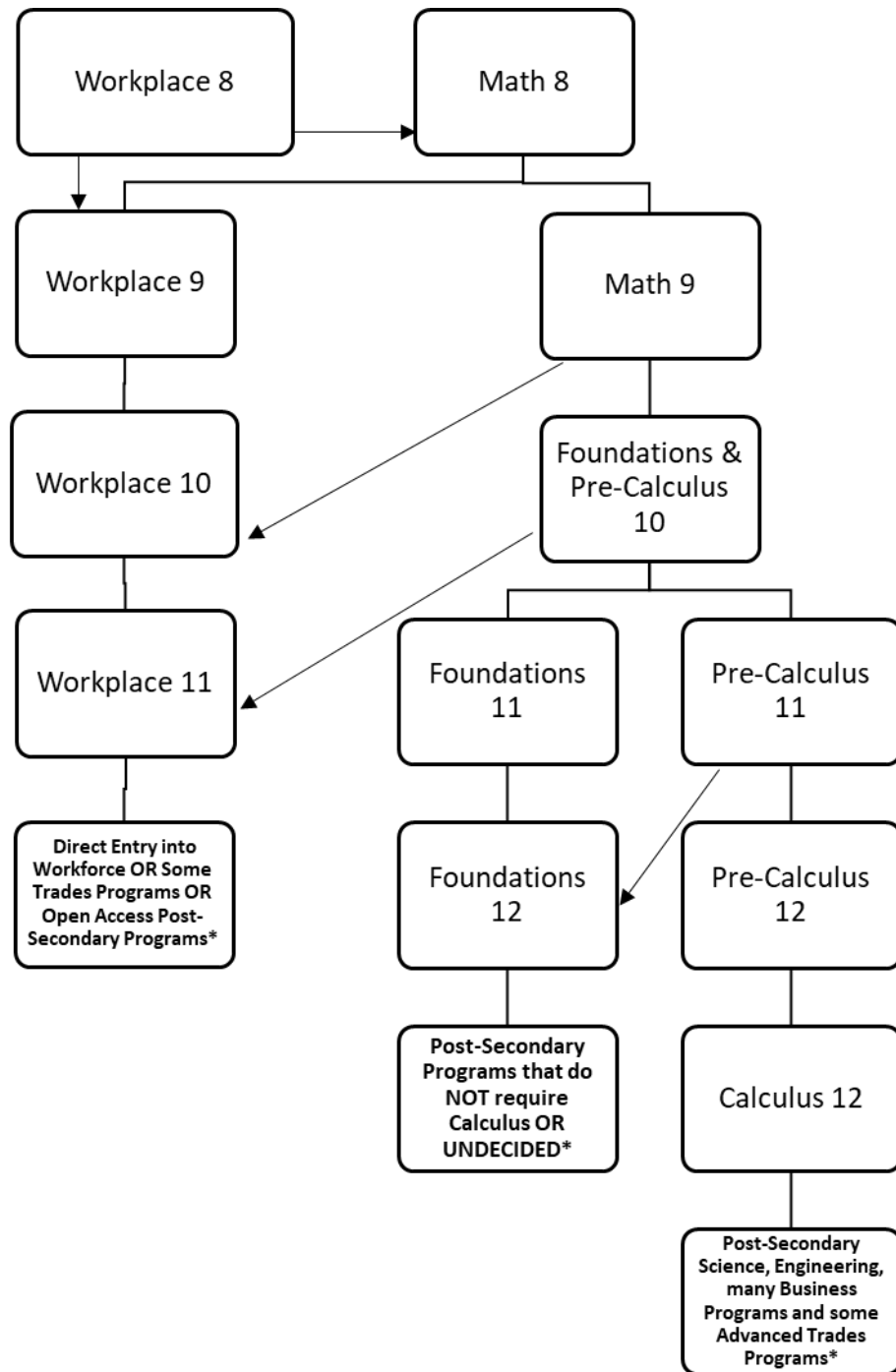
Mathematics is a required course from grade 8 to grade 11. Mathematics and Calculus are optional courses in grade 12.

## **WORKPLACE MATHEMATICS 9**

Workplace Mathematics 9 is a locally developed course for identified students who would benefit from increased emphasis on development of basic numeracy skills. The content of this course is different from the Mathematics 9 curriculum.

*Students recommended to **Workplace Mathematics 9** will have a letter mailed to their home to notify parents of the placement at the end of their Math 8 course as well as a comment on their report card. Parents and students should contact the student's math teacher when a concern or question arises concerning math placement.*

To satisfy graduation requirements, completion of any Math 10 and Math 11 (or Math 12)



**\*\* It is the student's responsibility to confirm admission requirements for a specific post-secondary program with the institution or check online @ [www.educationplannerbc.ca](http://www.educationplannerbc.ca)**

## PHYSICAL AND HEALTH EDUCATION DEPARTMENT

### PHYSICAL AND HEALTH EDUCATION 8 & 9

The aim of physical education is to enable all students to enhance their quality of life through active living. Students will develop the knowledge, skills and attitudes necessary to incorporate physical activity into regular routines and leisure pursuits to live an active, healthy lifestyle. Along with making healthy choices in regard to relationships, personal well-being and the community.

There are **four Curricular Competencies** in Physical and Health Education 8 and 9. Expectations for each area are listed below:

**Physical Literacy:** Apply movement skills in a variety of activities, explain fitness components and principles of training; understand the effects of exercise on body systems, explain the benefits of and demonstrate warm-up and cool-down activities; describe how changes in body growth affects movement skills and concepts; select and apply rules and safety procedures; demonstrate appropriate social behavior, etiquette, fair play; and apply leadership skills related to physical activity.

**Healthy Active Living:** Daily participation in different types of physical activity; design personal nutrition plans and fitness goal-setting that is specific for each individual and allows the student to identify, reflect and pursue their goals.

**Social and Community Health:** Allow students to propose strategies for bullying, discrimination, abusive relationships, and stereotyping. Students will create strategies for promoting the health and well-being of relationships, in the school and community.

**Mental Well-being:** Describe and assess strategies for promoting mental well-being for one's self and others; describe and assess strategies for managing problems related to substance abuse and describe changes through puberty (physical, mental, social and emotional changes).



### PE 8 & 9 HOCKEY SKILLS ACADEMY (Optional)

The Physical Education Department at Lord Tweedsmuir is pleased to offer P.E. 8 and 9 Hockey Skills Academy. Students that register for this course and receive a passing grade will be given credit for Grade 8 or 9 Physical Education. Students take this course in place of their regular physical education course.

Students will receive both on-ice sessions and off-ice sessions throughout each week. The on-ice sessions will focus on skating and skill development. The off-ice sessions will be a combination of fitness training as it pertains to hockey, nutrition and theory. The cost of taking the Hockey Academy will be \$850.00. This is to cover the cost of ice and guest instructors. Approx. 40 on-ice sessions over a semester.

## SCIENCE DEPARTMENT

### SCIENCE 8

The Science 8 program is designed to provide students with a “hands on” type of science experience. Topics covered include: cell biology, matter, optics and plate tectonics. All science classes stress the need to make accurate observations, the importance of good records, along with the ability to generalize about ideas and communicate these ideas to others. In addition, students are taught how to use equipment, follow instructions and work safely in any laboratory situation.

### SCIENCE 9

The Science 9 program is designed to provide students with a “hands on” type of science experience. Topics covered include: cell reproduction, chemistry, electricity and nutrient cycles. All science classes stress the need to make accurate observations, the importance of good records, along with ability to generalize about ideas and communicate these ideas to others. In addition, students are taught how to use equipment, follow instructions and work safely in any laboratory situation.



## SOCIAL STUDIES DEPARTMENT

### SOCIAL STUDIES 9

This modern history course takes students on a journey from the Age of Revolutions to World War I (1750-1914). Students will learn about the impact that new ideas and disparities in power can have on individuals, societies, and the world. Some key questions considered include:

- What revolutions had the biggest impact on the way the world is today?
- Why did thousands of people from Asia and Europe come to Canada despite such discriminatory immigration policies?
- What roles do early imperialism and colonialism have on Canada's present day events?
- How did the landforms and geography of Canada shape the ways of life for First Peoples and European settlers?

This course will apply historical thinking skills to wrestle with questions about morality and values. There will be a final assessment where students will demonstrate their understanding of the curricular and core competencies.





# ELECTIVE COURSES

## FINE ARTS

### VISUAL AND PERFORMING ARTS

#### STUDIO ART 8

Art 8 is a fun introductory course in the basics of art. Students will be painting, drawing and sculpting as they learn the elements of art (line, shape, value, texture and colour) and principles of design.



#### DANCE 8

This is a fun course that introduces you to various forms of dance. Students will have the opportunity to be introduced to basic techniques and different styles of dance such as hip hop, jazz, contemporary, tap and musical theatre. Students will be taught proper dance class and theatre etiquette and will experience dance both as an audience member and as a performer. This course is adapted for the individual dancer's ability level and is suitable for beginner to advanced dancers.

#### DRAMA 8

Drama 8 is an introductory course designed to engage the students in both "drama" (non-audience) and "theatre" (audience) activities and performances. Emphasis is placed on structured play, teamwork, and building self-confidence as well as an introduction to basic acting skills. Students will have the opportunity to work in small and large groups to create performances for an audience of their own classmates. They will also have the opportunity to learn self and peer evaluation skills as an audience member. In this course, you will study tableau, mime, character building, scripted scenes, improvisation, and choral monologues.

#### STUDIO ART 9

Art 9 is designed to have students develop their own unique artistic styles through the teaching and use of the creative process. This course is also designed to teach students the basic technical skills required to further develop their drawing and painting skills, as well as creative thinking and problem-solving skills. Students will be encouraged to experiment and take risks with their art making. Students will also be studying examples and art movements in art history. By the end of this course, students should have a good grounding in the visual expression areas of drawing, painting, collage, ceramics/sculpture and printmaking.

## **DANCE 9**

This is a fun course that introduces you to various forms of dance. Students will have the opportunity to be introduced to basic techniques and different styles of dance such as hip hop, jazz, contemporary, tap and musical theatre. Students will be taught proper dance class and theatre etiquette and will experience dance both as an audience member and as a performer. This course is adapted for the individual dancer's ability level and is suitable for beginner to advanced dancers.

## **DRAMA 9**

Drama 9 begins with a review of basic acting skills and techniques at an introductory level. Students will then advance their skills in "drama" (non-audience) and "theatre" (audience) by creating and performing several individual and group projects within the class. This course is designed to enhance the student's self-confidence, theatre knowledge, theatre etiquette, and ensemble creation. Students will also have the opportunity to learn how to self and peer critique as an audience member. Topics of study include character building/development, scripted scene work, scene creation, monologues, and improvisation.

## **THEATRE COMPANY 8-12**

Theatre company is more than a course, it is an immersive collaborative experience. Students will be given a safe place to practice taking creative risks. We will use the creative process to study various genres and dramatic elements. Students will prepare for two performances. A One Act show in the winter and a full mainstage play in the spring. We will be connecting with other theatre companies in the district by sharing our work and supporting their productions. Being a member requires commitment, resilience and a significant contribution to personal and social responsibility.

## MUSIC DEPARTMENT

All students 8-12 are required to do Smart Music assignments. Each student can purchase the application for \$30CDN to use at home, or use the school practice room. Students are also required to purchase a music tie for the uniform at \$20. Students may choose to rent the ties but be responsible for cleaning cost prior to its return.

### CONCERT BAND 8

#### Band 8 Woodwinds/Band 8 Brass/Band 8 Percussion

No pre-requisite, however, it is highly recommended that students have completed Band 7.

**Requirements:** Rental of instrument (larger instruments rented from the school).

**Band 8 Woodwind:** flute, oboe, clarinets, saxophone, and bassoon

**Band 8 Brass:** trumpet, French horn, horn, trombone, baritone, tuba, electric bass

**Band 8 Percussion:** drum set, tympani, cymbals, mallet percussion, snare drum, & bass drum

Students will receive instruction on their instrument, ensemble skills and notational and rhythmic fluency. A wide variety of music is played in the class. The musical selection ranges from rock tunes, jazz standards, movie and television themes to classical compositions.

#### Assignments/Activities:

Students will have the opportunity to participate in a variety of events that may include an annual field study trip to Penticton for the Okanagan Concert Band Festival in March, four (4) evening concerts for family and friends; school district events; elementary school concerts.

### JAZZ BAND 8

**Requirements:** Rental of instrument (larger instruments rented from the school).

**Stage Band 8 Woodwind:** Saxophone, Clarinet, Flute,

**Stage Band 8 Brass:** trumpet, trombone, baritone, tuba,

**Stage Band 8 Rhythm Section:** electric bass, drum set, auxiliary percussion, and piano. (*Piano Players who are working on their RCM are encouraged to join*)

This is an entry-level course for jazz studies at LTSS. Course content will include instruction in jazz performance as both ensemble player and soloist.

Students can expect to take part in evening coffee house, community, and a variety of festival concerts. As part of course work students will present musical works at our local annual Surrey Schools International Jazz Festival.

Students will be evaluated on the basis of, improvement in musicianship and attendance at rehearsals.

## **CONCERT BAND 9**

### **Band 9 Brass & Percussion**

There is no pre-requisite, however, it is highly recommended that students have completed Band 8. Requirements: Band Instrument (rent or own).

The Concert Band 9 class will be learning and performing a variety of repertoire in classical, contemporary and movie soundtracks. Students will see a significant increase in the complexity (and excitement) of the repertoire (songs). Course material will cover performance style as well as historical and theoretical concepts for a wide variety of musical genres and style periods. As this is a performance-oriented course, students will be expected to participate in a number of community, regional and festival concerts throughout the year. It is the students' responsibility to make the necessary arrangements to attend each performance.

Students will be evaluated based on:  
Improvement in the musicianship – technical and stylistic  
Rehearsal preparation (home practice)  
Rehearsal Skills  
Evaluation is gained by observation and or taped submissions

## **JAZZ BAND 9**

The following instruments are included in Intermediate Jazz:

- Drums, Bass, Guitar, Piano, Saxophones, Trombones and Trumpet

Note: Students that play non-traditional jazz instruments like clarinet or flute, that would like to play in the jazz group, are encouraged to learn another instrument. Flute players usually make good trombonists. We have free trombones that can be used by highly motivated students.

Grade 9 Band students may be enrolled at the invitation of the director. Requirements: Band instrument (rent or own) and accessories. This is an entry level course for jazz studies at LTSS. Course content will include instruction in jazz performance as both ensemble player and soloist.



# APPLIED DESIGN, SKILLS AND TECHNOLOGIES

## BUSINESS EDUCATION

### INFORMATION TECHNOLOGY 8

This course introduces students to essential digital skills in a creative and engaging way, preparing them for success in our modern technological world. Students will explore the fundamentals of Microsoft Word, Excel, and PowerPoint while advancing their digital design skills using Canva. Highlights include programming in Scratch, creating 2D pixel art animations, and designing 3D models in Tinker CAD. The course is entirely project-based, fostering hands-on learning and creativity.

### ENTREPRENEURSHIP AND MARKETING 9

Entrepreneurship and Marketing 10 is a practical, activity and project-based course, which provides students with an introduction to the world of business with a focus on entrepreneurship and marketing. In this course students will build a strong foundation for further studies in business and develop the business knowledge and skills they will need in their everyday lives. A very “hands-on” approach to learning business principles using a variety of software applications such as Word, Excel and PowerPoint will be explored.

### INFORMATION TECHNOLOGY 9

Building on the foundation of Information Technology 8, this course allows students to expand their skills and explore new areas of digital technology. Students will deepen their knowledge of Microsoft Office Suite, delve into introductory programming concepts using Python, and develop their digital design skills through Photoshop. Additionally, they will gain a fundamental understanding of computer hardware, including how to assemble a desktop computer. While this course builds on the concepts taught in Information Technology 8, it is also suitable for students taking their first steps into the IT world.

### ANIMATION 9

Take your drawing and computer skills to the next level on this exciting course! Students will begin by learning basic design concepts and creating their first 2D pixel art animations, focusing on the fundamental principles of animation. Building on these skills, students will transition into the 3D realm using Blender, a powerful 3D modeling and animation software. They will explore techniques such as hard surface modeling, sculpting, character modeling, and animation. Additionally, students will learn how to create textures using Photoshop. This course is designed for anyone interested in digital art and animation—no prior drawing or art experience is required to succeed.



## HOME ECONOMICS

### FOOD AND TEXTILES 8

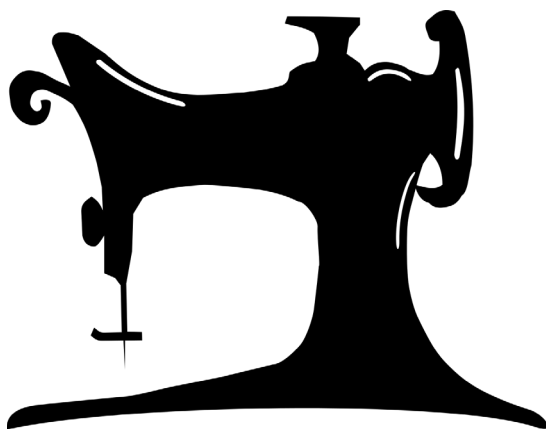
Have fun sewing and prepare delicious meals with new friends. As you begin your journey in Food and Textiles 8 you will have an opportunity to put your creativity to work as you design and hand stitch your very own felt animal. Next, learn how to operate a sewing machine while you put your personal touch on a signature apron that you will be able to wear as you develop cooking skills in the Foods portion of the course. Kitchen safety, measurement and teamwork are just a few of the skills you'll practice in this part of the course as you learn different food preparation techniques to make your own baked goods and breakfast dishes. No experience is required.

### FOODS 9

In this course, students will have an opportunity to get up out of their seats and work with friends to create a variety of baked goods and simple dishes. Foods 9 is designed to be a blend of coursework and practical experience in which students will cook with a partner or as a team to practice and develop their cooking skills. Coursework will include a focus on trends in nutrition as well as look at local food systems and the factors that influence food choices. Recipe reading, time management, safety, and knife skills are just a few of the many things students can expect to learn in this class. Before the course is over students will have sliced, diced and sautéed their way through over 25 different recipes that can easily be made again and shared with others at home. No prerequisite required however; students will be expected to cook at home when they miss a lab at school. Students are responsible for supplying their own apron.

### TEXTILES 9

If you love the latest fashion and enjoy creating your own clothing with your signature colours, fabrics and designs, then this is the course is for you. Throughout the semester you will learn how to use a pattern and personalize it to your own style. The course is highly individualized to your own skill level and gives you the opportunity to work with specialty fabrics and to learn new and exciting sewing techniques.



## TECHNOLOGY EDUCATION

### **DESIGN TECHNOLOGY 8**

This hands-on course covers a variety of topics in the area of technology. Through projects, students will be introduced to Woodwork, Metal Work, Jewelry, Plastics, Power and Energy, Computer Drafting, Drafting, Electronics, and Film and T.V. Equal emphasis will be given to each discipline as much as possible and there will also be an emphasis on developing safe work habits and fundamental hand & machine tool skills.

### **DRAFTING 9**

Students will be introduced to the exciting world of graphic communication using a design-oriented problem-solving approach. This course will provide students with a basic understanding of the following concepts: orthographic projection, dimensioning, working drawings, scale drawings, 3D printing and architectural drawing. Students will complete assignments using computer assisted design programs such as AutoCad, Rivet and Inventor. Students will also construct a scale model of one of their projects using a number of materials, 3D printer or a cnc mill.

### **ELECTRONICS 9**

Ever wondered how your electronic gadgets work? In electronics you get to learn about how circuits work, design your own electronics, and make your own devices from your plans. You also get to build robots and code them for in-class challenges. Returning students will have chances to work on things and concepts like the Arduino, Bluetooth, RaspberryPi , USB and more.

### **FILM & TV 9**

Students will learn the basics of video camera use and how to edit using Adobe Premier Pro. Emphasis will be placed upon Video Production and Desktop Editing and Animation (traditional & computer). Students will be required to do assignments in each of the core areas, but enough flexibility is given to allow students to pursue in-depth, an area of special interest. All course participants will be required to produce a final video project on a topic of their choice.

### **METALWORK 9**

Metal 9 is an introductory metal work course for students interested in developing skills in metal fabrication, welding, machining, casting and project design. Students will learn to weld using the ARC, MIG, TIG and the oxyacetylene torch. The metal fabrication component of the course will consist of the use of metal cutting and surface preparation tools in the shop such as the horizontal band saw, chop saw, plasma cutter and angle grinder. The machine tools used will consist of the lathe, milling machine and drill press. In addition to the extensive use of machinery students will acquire skills in the use of the related hand tools for this subject area. A variety of fun and useful in class projects will be given to help develop the student's general knowledge base and understanding of metal work

## WOODWORK 9

This course is a hands-on introduction to woodworking processes with an emphasis on the development of practical skills, problem solving, and design work. Students will become familiar with the safe use of tools and machines. Teacher directed projects have been designed to encourage the learning development of students, but many aspects of design are left up to the individual.





# SPECIAL EDUCATION PROGRAM

Learner Support Team (LST)  
English Language Learners (ELL)  
BASES Program

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## **Learner Support Team (LST)**

LST students are recommended to the program by their elementary school or by the School-Based Team at LTSS. The majority of LST students are supported in their classes, and drop-in support is available as needed. The emphasis in the LST program is on student skill development in the core academic areas, organization, study skills, assistive technology, and self-advocacy. Supports for specific students are determined by their Individual Education Plan and their LST Case Manager.

## **English Language Learner Program (ELL)**

The English Language Learner program enables new students whose first language is not English to develop their reading comprehension, written output and spoken language skills. The goal is to increase their level of English proficiency so that they can fully participate in academic courses as soon as possible.

## **BASES Program (Building Academic, Social & Employment Skills)**

The BASES program is designed to help students in grade eight through twelve with basic reading, math, life, social and employment skills