

# Valleyview Secondary School

## GRADE 9 COURSE SELECTION BOOKLET



<http://vss.sd73.bc.ca>

## GRADE 9 PROGRAMMING

All Grade nine students are required to take a full program of eight (8) courses including the core courses of: English, Mathematics, Social Studies, Science and Physical Education and Career Education.

Counsellors and Administrators try their best to customize student timetables according to student requests. Although a student may have received a timetable, it should be considered as temporary. There are times when the school's master timetable needs to be updated resulting in the reconfiguration of student timetables.

### PROMOTION

Course promotion is based on successful completion of the previous course level. Students will be promoted to the next grade level if they have successfully completed sufficient course work to still be eligible to graduate in June of their expected graduation year by enrolling in 8 courses per year.



## GRADE 9 CORE COURSES

### [English 9](#)

The following big ideas will be covered in English 9:

- Language and story can be a source of creativity and joy.
- Exploring stories and other texts helps us understand ourselves and make connections to others and the world
- People understand text differently depending on their worldviews and perspectives.
- Texts are socially, culturally, and historically constructed.
- Questions what we hear, read, and view contributes to our ability to be educated and engaged citizens.

## Math 9

The following big ideas will be covered in Math 9:

- The principles and processes underlying operations with numbers and apply equally to algebraic situation and can be described and analyzed.
- Computational fluency and flexibility with numbers extend to operations with rational numbers.
- Continuous linear relationships can be identified and represented in many connected ways to identify regularities and make generalizations.
- Similar shapes have proportional relationships that can be described, measured, and compared.
- Analyzing the validity, reliability, and representation of data enables us to compare and interpret.

## Science 9

Through questioning and predicting, planning and conducting, processing and analyzing data and information, evaluating, applying and innovating, as well as communicating, the following big ideas will be covered in Science 9:

- Cells are derived from cells
- The electron arrangement of atoms impacts their chemical nature.
- Electric current is the flow of electric charge
- The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them.

## PE 9

Through the broad units of physical literacy, healthy and active living, social and community health, as well as mental well-being, the following big ideas will be covered:

- Daily participation in different types of physical activity influences our physical literacy and personal health and fitness goals.
  - Lifelong participation in physical activity has many benefits and is an essential part of a healthy lifestyle.
  - Healthy choices influence our physical, emotional, and mental well-being.
  - Healthy relationships can help us lead rewarding and fulfilling lives.
  - Advocating for the health and well-being of others connects us to our community.



### Social Studies 9

This course covers the period of time from 1750 to 1919 in order to address the following big ideas:

- Emerging ideas and ideologies profoundly influence societies and events.
- The physical environment influences the nature of political, social, and economic change.
- They physical environment influences the nature of political, social, and economic change.
- Disparities in power alter the balance of relationships between individuals and between societies.
- Collective identity is constructed and can change over time

### Career Education 9



Connections 9 at Valleyview combines Career, Info Technology and Digital Art into one course so that students meet their career, ADST, and Fine Arts requirements, and is a compulsory course for all grade 9's. In this course, students will be reflecting on their preferences, values, interests, and skills to help answer questions, such as; "Who am I?" and "Who Could I be?". Through career resources, visits with guest speakers, and a visit to a workplace, students will explore a

variety of careers and paths. Setting learning goals and communicating their thinking, as well as reflecting on their learning are integral parts to the course. To summarize their learning in the course, students will create and present a digital portfolio to members in their communities reflecting on how the personal, community, and educational choices are connected to career paths.

## **LANGUAGE ELECTIVES**

### French 9

Bienvenue à Français 9! This course will cover a number of big ideas! We will explore listening and viewing with intent as it strengthens our understanding and acquisition of French. We will also have meaningful conversations about things that are important to us in French. We will use stories as a way to give us unique methods to interpret and share knowledge, thoughts, and feelings. We will explore Francophone creative works and culture as well as acquiring French to explore our own cultural identity from a new perspective. French 9 is a requirement to continue in French 10 or to switch to Italian or Spanish 10.

### **Japanese 9 - Level One**

This is an introductory course to a fascinating language. Language skills of speaking and listening will be emphasized. Reading and writing will emphasize the Romanized alphabet. As competence develops, reading and writing of Japanese script (hiragana) will be pursued. Various aspects of Japanese culture will also be studied through film, research and other means.

### **Secwepemctsin 9**

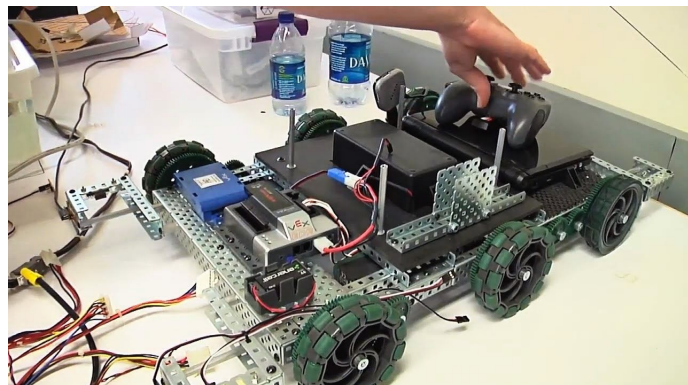
This course is for those students who are interested in learning the Shuswap language. It is open to all students and as an accredited course, meets second language requirements. It will introduce students to the vocabulary, grammar and sounds of the traditional Secwepemctsin language.

## **APPLIED DESIGN SKILLS & TECHNOLOGIES (ADST)**

All students in grades 8 & 9 are expected to take at least one Arts Education course, and one Applied Design, Skills and Technologies (ADST) course.

### **ADST: Electronics and Robotics 9 (1st year Programming)**

Prepare for your future where robotics and programming are part of your daily life. This course is designed to get all students successfully programming. Projects include designing interactive objects with Arduino, Web Design utilizing HTML and CSS, using Java to create Android apps and games, and using Python to develop 3D animations. If you are planning a career in computer IT, animation, game design, robotics or engineering (mechanical / civil / electrical), you need to take a programming course!



**NOTE:** To be successful in this course and while not required, it is HIGHLY recommended you have at least a B in Math to be successful in this course.

### [ADST: Drafting 9 \(1st year DRAFTING\)](#)

This course develops students' computer aided drafting skills while exploring mechanical, pictorial, and architectural drafting. Students will gain knowledge in 2D drafting and 3D modeling using BricsCAD. Develop working drawings while learning residential construction practices, mechanical design and house design. Students will also have an opportunity to Laser cut / engrave some of their design projects including a Google Cardboard VR Oculus and also create 3D videos of their constructions. Come develop the skills that you will need if considering a job in architecture, drafting, industrial design, or engineering.

There is an enhancement fee this course for Lasercutting, 3D printing materials and design project materials.

### [ADST: Media Arts 9 - Blender 3D Computer Animation](#)

Enter the world of 3D animation! Using the BLENDER software program, students will develop and create 3D models and animations. Learn to make water, fire, and have blocks explode apart using fluid dynamics and particle physics in a fun environment! In this course students learn the foundations of block modeling techniques to make "primitives" and low poly 3D graphics. Media production skills including sound design, storyboarding, and sketching are developed as students publish work to the web via Youtube. Students create and 3D print models. There is a course enhancement fee for 3D printing materials.

### [ADST: Art Metalwork 9](#)

This is an introductory course that is project oriented. Students will be introduced to the creative use of metals. Projects could include: brass jewellery, pewter casting, Styrofoam aluminum casting, wire sculpture, Chain Mail, Investment Casting, , horseshoe nail sculpture and more. There is a course enhancement fee for this course.



### [ADST: Metalwork 9](#)

This is a project oriented course through which students will explore a variety of ways of shaping and processing metal. Students will experience areas involving layout and bench work, sheet metal process, lathe machining and foundry casting. Projects could include a Balancing Man, Cross Hammer and a Folding Shovel . Welding will be introduced.

There is a course enhancement fee for this course.

### [ADST: Woodwork 9](#)

Woodwork 9 is an introductory class. In the class you will cover the basic knowledge of woodwork. It will include projects to introduce basic laminating, basic joinery and lathe turning. Projects include: a cutting board, 3 or more medium projects (with not plan joints) and a bowl. As well, students will have the choice of optional projects to complete the class. There is an enhancement fee attached to this course. Upgraded materials and projects will be extra money.

### [ADST: Food Studies 9](#)

This course is an introduction to food preparation and nutrition. Students will learn to prepare a variety of delicious meals and snacks in under an hour. Topics covered include: basic flour mixtures, fruits, vegetables and proteins. Students need to work co-operatively in groups and complete written assignments as part of the course. There is an enhancement fee attached to this course.

### [ADST: Textiles 9](#)

Through a variety of sewing projects, students will learn the following content:

- natural and manufactured fibres, including their origins, characteristics, uses, and care
- strategies for using and modifying simple patterns
- elements of design used in the design of a textile item
- social factors that influence textile choices and the impact of those choices on local communities
- role of textiles in First Peoples culture

### [ADST: Power Technology 9](#) (Mechanics)

Through a variety of power technology projects, students will learn the following content:

- energy transmission and applications
- efficiency, including energy loss in the form of thermal energy
- thermodynamics
- types of fuels and methods of converting fuels to mechanical energy
- alternative energy sources
- small engine systems
- mechanical measurement devices
- power technology hand tools
- effects of forces on devices
- manuals as information source

## ARTS EDUCATION (AE)

### AE: Art 9

This is an exciting introductory course where all levels of artists are welcome. In this course students will be able to express themselves through art. This will include learning from historical works and artistic movements.



Some areas that we will focus on are: drawing, painting, sculpture and ceramics. The art studio is a fun, energetic, and safe classroom where you can be yourself.

Consumable Course Cost: \$10 for paper and supplies and speciality items consumed such as paint and brushes.

### AE: Drama 9

Students will work on mastering the skills of movement, voice interpretation and improvisation in order to understand the fundamentals of Drama. Through group work, students will learn group cooperation skills which will be mastered through various group projects. A major performance of professional one act plays will be performed for grade eight classes as well as parents, and they will partake in putting on the Remembrance Day assembly. Furthermore, students will be creating scripts such as radio plays, monologues. Also, students will gain experience acting on film by creating either a music video or movie trailer.

### AE: Music 9 - Band

Band 9 Prerequisite: Participation in grade 8 band or successful audition.

This class will comprise the Grade 9 Concert Band and occurs during a regularly scheduled block within the school timetable. Concerts, festivals, retreats, trips and other performances may occur in the evenings and sometimes take place away from the school. You do not need to own an instrument to participate in band class, one can be rented from the school for a minimal fee. All students are welcome. Remember: Making music makes you smarter!

Skills & Techniques Covered:

Continuation of the acquisition of skills on woodwind, brass and percussion instruments  
Elements of music including sight-reading, terminology, rhythm, melody, dynamics, harmony, musical notation, articulation, phrasing, posture, intonation, balance and blend, music history and literature, ensemble and performance skills.



## **AE MUSIC 9: Jazz Band**

### Course Description

Jazz Band is a co-curricular course intended to further the learning you are doing in Concert Band. As such, students in this class must be enrolled in the corresponding Concert Band Course (or have special permission from the teacher.) Students in this ensemble will experience all of the same activities as outlined in the Concert Band course, but with the addition of the following activities, which are unique to the Jazz Band setting:

Performing repertoire written for Jazz Band in various styles such as swing, rock, and the many varied Latin grooves. **Understanding** the roles and relationships between the rhythm section and the various “horn” sections (saxes, trumpets, trombones.)

**Discovering** the significance of jazz and of the historical context from which it emerged.

**Expanding** knowledge of music theory and ear training specific to jazz harmonies.

**Developing** improvising skills.

## **AE: MUSIC 9 - CHOIR**



This class meets in the early morning twice a week for the entire school year. Select this course if you would like to sing in choir outside of the regular timetable. No previous experience is needed to join the choir. Remember: If you can speak, you can sing! Students in this course will develop the basic elements of choral performance. Attendance at rehearsals and performances is required. Performances occur in the evenings and may take place away from the school. There is also the possibility of retreats and cultural and performing trips. This is an active group of students who have a lot of fun - Come on

out and join the choir!

### Techniques & Content Covered:

- Vocal production, tone, articulation

- Elements of stage presence

- Various styles of music from classical to contemporary and modern music

- Music from many different cultures Introduction to music reading skills

- Basic musicianship in an ensemble

\*There is also an opportunity for a piano player to gain credit in this course if they act as an accompanist to the VSS Choir. Please see Miss Daniels for more information.

### AE: Dance 9

This course will integrate dance instruction and fitness for dance. Dance is divided into four main units: Hip hop, Jazz, Belly Dance and Musical theatre. Students will receive instruction in these areas as well as choreograph their own dances. Smaller units in other forms of dance will also be covered. All dances will be showcased at a semester end dance performance. Those students with an extensive dance background can apply to be a Teacher Assistant for this course. The components of fitness include flexibility, strength and core training.



### AE: Music 9 - Guitar

Through learning how to play the guitar, students in this music class will work towards understanding the following big ideas:

- Identity is explored, expressed, and impacted through music experiences
- Music provides opportunities to gain insight into perspectives and experiences of people from a variety of times, places, and cultures.
- Collaborative music experiences can build community and nurture relationships with others.
- Music uses a unique sensory language for creating and communicating.

## Other electives

### **Leadership 9 (4 Credits)**

This course is designed to instruct students in the various methods and techniques for planning, implementing and evaluating projects related to school activities. Understanding of media arts and elements of design will aid students in creating different media art projects for the class and the school. Other subjects that will be incorporated into the class include public speaking, communication, teamwork, management skills, self-awareness, human relations and promotion and staging of school events.

An essential part of this class is active “hands on, minds on” experiential learning. In this course students should further develop the skills they currently possess and take the opportunity to acquire new ones. It is through the activities and programs that are run by the class that the students will learn and practise the concepts and skills of leadership.

A positive attitude and active participation are essential in this course.

## HOCKEY ACADEMY

### Valleyview Secondary School - HOCKEY ACADEMY

Valleyview Secondary School is very proud to be the home of our local Hockey Canada Skills Academy. Our academy provides both male/female hockey players of all levels an opportunity for elite level coaching/training for our student-athletes while continuing with their regular academic course studies at VSS. The schedule for our student-athletes has each of them enrolled in 2 blocks of hockey academy (1 per semester) throughout the school year and receive on-ice instruction an average of 2.5 times per week (60 minutes each). Students are also scheduled into dry-land training/programs and classroom instruction following the Hockey Canada curriculum. Under the leadership of Head Coach Jason Fowles, our academy is very fortunate to also have the following individuals as part of our support coaching/teaching staff: Chris Murray, Aaron Keller, Tyler Love, Scott Ferguson, Nina Hrycewich, Greg Kozoris (Acceleration Fitness) and Peter Soberlak (Sports Psychologist-TRU). The academy is based out of Valleyview arena as our practice facility and the new Acceleration Fitness training center as our dry-land training facility. We currently have 1 section.



All participating students are enrolled at VSS and pay an annual academy fee of \$950 to pay for all associated costs. If you are interested in our HCSA and require more information about the program or the application process, please feel free to contact Mr. Mike Faisthuber, Vice-Principal.