

# Grade 11 Program

## ***Art Studio 11***

The aim of this course is to further the student's artistic and aesthetic development of gifts and their growth in drawing, painting, printmaking and sculpture. Emphasis is placed on building skills and making creative and thoughtful expressions through an ongoing process. This exploration of the gift of creativity is intended to open students to a better understanding of God as Creator. It should also encourage them to participate in creating visual praise to our Saviour as an offering of thankfulness. Field trips, critiques, and self-evaluation are included. Throughout the course the students will be involved in art historical research.

### **Course Requirements:**

- 1. development of a personal art portfolio containing completed assignments**
- 2. sketchbook drawing and writing assignments**
- 3. presentation and discussion of issues Christian artists face in the world today**

## ***Bible 11***

This course seeks to explore what it is like for believers to live in the shadow of secular empires. The year begins with an in-depth study of the world of Ecclesiastes (life in the Greek Empire) and strives to show why it is futile to live as if there is no transcendent light available to us under the sun. The course then moves on to explore the lives and letters of Peter, James, and John. The primary focus will be on the challenges faced by the early Christians living in the Roman Empire. Special attention will be given to the historical setting of these letters and to the pressing issues that generated the writing of them. The year ends with questioning how we can spiritually flourish in the secular landscape of today. The course also includes 15 hours of community service.

## ***Biology 11***

Biology 11 is an introduction to the life sciences with an emphasis on the diversity of life. It provides many opportunities for hands-on activities as students explore the order, uniqueness, and interrelationships that exist in God's creation. Topics covered include processes of science; taxonomy; creation, evolution and adaptation; ecology; microbiology and plant and animal biology. Students are challenged to identify the goodness of God's creation, to recognize the effects of sin and to respond to God's invitation to participate in restoration.

## ***Chemistry 11***

This course is intended as an introductory chemistry course that will stress both laboratory skills and conceptual understanding. As we examine various aspects of creation, including the interaction of atoms and molecules with one another, God's creativity and awesome power will become evident. Even as we break creation down to subatomic particles in an attempt to understand its workings, we will be reminded to look up at the Creator who has given us the ability to inquire. A deeper respect for and understanding of creation and a greater love for the Creator are two goals of this course.

***Prerequisite: 65% or higher in Foundation and Pre-Calculus Mathematics 10***

***Co-requirement: Pre-Calculus 11***

## ***Choir 11 (2 credits)***

Choir is a non-auditioned group open to all singers in high school. Regardless of singing experience or ability, you are welcome to join. Rehearsals are on Mondays and Wednesdays after school from 3:10pm - 4:10pm. Because this is a two credit course, you are expected to attend all rehearsals and concerts. The choir performs several times a year at the school and in

our community, and participates every other year on the senior band and choir tour. Choir members that are touring will have had a year of previous singing in the high school choir. Exceptions would be incoming Grade 9's or students who are new to the school, at the discretion of the director.

### ***Christian Ministry 11***

The Foundations of Christian Ministry 11 course is designed to help students grow in the area of discipleship ministry and prepare them for future ministry opportunities. Students will explore Biblical keys to spiritual growth, basic components of spiritual maturity, basic teaching, and ministry skills needed for effective ministry. The course is a combination of independent study, internship, and one-on-ones with a teacher. Students are provided with daily devotionals and monthly reading and assignments. They will participate in an internship in their local church where they have an opportunity to receive coaching of a Children's Ministry worker, for example, and to apply the principles skills that have been taught. For more information, contact Mrs. McCarthy.

### ***Computer Technology 11***

This digital media course will have you engaged in the areas of digital creativity. You will learn the basics of Photoshop, some simple film techniques, and video editing skills. You will learn to develop basic 3D characters using Blender. Finally there will be a simple web design and development component. This is a course designed for those interested in the digital arts and new media. No previous computer skills are required beyond basic computer functioning.

### ***Drama 11***

This course will draw from different elements covered in Drama 9 and 10 and build from those basics. We will cover both the technical aspects of theatre as well as acting. This course will revolve around scripted work, film, theatre history, as well as touching on a variety of other elements of drama.

### ***English 11***

As in English 10, this course will continue to build language skills, both spoken and written. In addition to a short story unit, a Shakespearean play and two novels, the students will continue to study essays and essay writing.

### ***ELL 11***

This course has been designed to support students for whom English is an additional language. The course will focus on the language skills of reading, writing, speaking, and listening that pertain particularly to the classroom setting. Subject-specific vocabulary and course concepts will be taught to reinforce what is happening in the classroom. Individual and small-group support will be provided to assist students with individual language learning needs. Additionally, exam writing skills will be taught.

### ***Entrepreneurship 11***

This course provides students the opportunity to think like an entrepreneur and act as a small business owner. Students will examine the fundamentals of entrepreneurship and better understand the mindset and creative thinking of entrepreneurs through case studies and guest speakers. Students will explore the idea that to achieve success in a rapidly changing world, future entrepreneurs will need to have confidence, be open to risk, possess a positive attitude toward change and uncertainty, and the willingness to rely upon their personal creative talents and individual initiative. Students will gain first hand experience running a small business. Over

the course of the year, students will conduct a business review, manage and operate The Bolt; the LCS cafe that is beginning its third year of business. The practices of planning, organizing, communicating and collaborating will be utilized to successfully operate the business. Critical and creative thinking will be called upon to define the Bolt's purpose and mission, to better understand its market and problem solve present and future challenges.

### **English Support 11**

Students will have access to small-group and tutorial support designed to further developed English language skills. There will be a strong emphasis on writing skills. Students will also have access to computer programs to assist them with English skills development. (Two 1½ hour sessions per week before/after school).

### **Food Studies 11**

This full year hands-on course will involve creating food for various functions like the International dinner, learning cuisine from many cultures, strengthening core kitchen skills, and food safety. Students consider safety and sanitation, and learn basic methods of food preparation. The course develops and encourages deep thankfulness to God for the gift of food in our lives and culture.

#### **Requirements**

1. **Notebook to write recipes in**

### **French 11**

The aim of this course is to further students' ability to communicate in the French language, as well as to become more aware of French and Quebecois culture. Students will develop their proficiency in speaking, understanding, reading, and writing the French language through interaction with literature, namely: short stories, Quebecois legends, and the abridged novel *Le Fantôme de l'opéra*. Students will also study two-three francophone films (such as "Le Petit Nicholas", "Joyeux Noel", "Amélie" and/or "Les Enfants du Marais"). Grammatical skills to focus on will include mastering the past tenses (passé compose, imparfait, plus-que-parfait), future, and conditional verb tenses. Important themes this year are childhood, the role of story in culture, and cultural celebrations and traditions. Alternate years: students will have the opportunity to participate in an exchange program and travel to a francophone community in Canada. *When enrolment necessitates, French 11 will meet with French 12 with an adapted curriculum.*

***Prerequisite: French 10***

### **Instrumental Music 11: Concert Band**

Students perform standard band repertoire at the B400 to B500 level. Because of the high level of performance, students are expected to practice regularly in between classes, and turn in practice assignments every 2 weeks. Students will also be tested individually, by the sectional director, to ensure a high level of technical skills. Students are also required to have a solid knowledge of theoretical concepts pertaining to literature performed in class.

Students are required to participate in two festivals and three regular performances at school (one per term) as part of their participation and effort grade. Extra-curricular activities, such as band trips, reinforce skills, and compliment the performance nature of this course.

*Time Commitment: 3 hours per week*

*Prerequisite: Band 10, or audition*

### ***Jazz Ensemble 11 (2 credits)***

A performance based course that meets for two hours per week, on Tuesday and Thursday mornings from 7:30am - 8:30am. Students continue to explore the various genres of jazz (pop, rock, swing, Latin, ballad, funk) and improvise based upon more complex directional themes found in this level of music. Students are evaluated individually and marks are heavily weighted upon mastery of music, preparedness for rehearsals, solid attendance, and participation effort. Extra-curricular activities include participation in the Kiwanis Jazz festival, and several evening performance excursions.

***Time commitment: 2 hours per week outside the regular schedule.***

***Co-requirement: Senior Band***

### ***Media Arts: Film 11***

In this course, we will look at various areas of media and their impact on the world. We will learn about our culture through studying print media, music, advertising, film, and television in order to better understand them and the influence they have. We will create different types of media, with the ability to focus on areas of student interest. Opportunities will be given to those interested in design, film, music composition, acting for film, and writing. Students will be urged to come to grips with their own responses to the media in our lives, and our ability to impact our world with our gifts. As there is an element of creative direction, this course may not be for students who are unable to complete projects independently. There will also be potential for group work as students create pieces that require collaboration in the variety of areas that we are exploring.

### ***MetalWork 11***

This course is for the student that wants to perfect their skills and knowledge in a specific area of metalworking. It is strongly recommended that the student has taken the *Introductory to Metalworking* course in grade 9 or 10. Areas of study are, Arc Welding, Mig Welding, Oxy Acet (Cutting and Brazing), Fabrication, and Blacksmithing.

This course will be broken into two components: theory and practical with the appropriate assessment in each component. Guest tradespeople will be invited in throughout the year to demonstrate their field of expertise in metalworking. This will be an opportunity for the student to ask questions and learn about career opportunities and expectations. Students in this course will have the opportunity to use their time and knowledge to construct a project of their choosing (student supplies the material), or to practice their skills on various shop projects such as bbq's, decorative fire pits, utility/ATV trailers, and household utensils and tools such as herb choppers, ladles, bbq tongs etc. Students will need to demonstrate their abilities before being allowed to move ahead into a project. Because of the nature of this course, a shop fee of \$50.00 will be required. This fee covers all of the consumables such as welding gas, welding wire and rods, metal, and safety equipment.

### ***Foundations of Mathematics 11***

Foundations of Mathematics 11 is the final high school mathematics course for many students. It is designed to give you many of the essential tools that will enable you to better understand God's creation and subsequently, your Creator. The mathematical literacy gained in this course will prepare you for the demands of further education and the workplace. Foundations of Mathematics 11 satisfies the mathematics requirements for both high school graduation and post-secondary admission. **This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus.**

***Prerequisite: Foundations and Pre-Calculus Mathematics 10***

### ***Pre-Calculus 11***

Pre-Calculus 11 explores the quantitative aspects of God's creation in preparation for further studies in mathematics. This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include algebra (absolute value, radical and rational expressions and equations), relations and functions (polynomial, quadratic, and reciprocal functions, arithmetic and geometric sequences and series), and trigonometry (angles in standard position, sine and cosine laws). Students choosing this pathway generally intend to pursue post-secondary studies in a science program.

***Prerequisite: Foundations and Pre-Calculus Mathematics 10 (minimum grade of 65% in Foundations and Pre-Calculus 10 or teacher recommendation)***

### ***Apprenticeship & Workplace Math 11***

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the workforce. Topics include algebra (formula application and manipulation, slope, proportional reasoning, problem solving), geometry (triangles, scale, 3D objects), measurement (metric and imperial units, surface area, volume, capacity), statistics (analyzing graphs), and finances (budgets, interest, credit). Students choosing this pathway intend to pursue a trade-related career.

***Prerequisite: Workplace Mathematics 10***

### ***Physical Education 11***

Students will further develop their knowledge base and skills in a selected number of team, individual, and recreational activities. An emphasis on leadership and recreation gives students the opportunity to broaden their experiences in a variety of alternative environments. We will discuss various principles of fitness, anatomy, physiology, and wellness.

***Prerequisite: Students must have demonstrated a high level of effort and participation as well as a positive attitude throughout previous PE courses***

### ***Physics 11***

This is an introductory course in Physics which allows students to investigate God's design as revealed in the physical creation. Using lab experiences and practical problem-solving strategies, students will study how things move (kinematics), why things move (dynamics), momentum and energy, waves and light, and special relativity.

***Corequirement: Pre-Calculus 11***

***Prerequisite: 65% or higher in Foundations and Pre-Calculus Math 10***

### ***Psychology 11***

This introductory course, from a Christian worldview, includes eight selected units from the first post-secondary year program in the field of psychology. Those units include: (1) The Science of Behavior and the relationship between Theology and Psychology (2) Studying Behaviour Scientifically, (3) Biological Foundations of Behaviour, (4) Sensation and Perception, (5) States of Consciousness, (6) Stress, Coping, and Health, (7) Psychological Disorders, and (8) Treatment of Psychological Disorders. If you enjoy knowing more about yourself and the people around you, if you enjoy critical thinking and gaining insight into mental illness, if you would like to gain greater appreciation for human life at all stages, this is the course for you!

### **Recreation Leadership 11**

An opportunity to develop leadership by joining the LCS Athletics REC LEADERSHIP TEAM. This class will be offered outside of the timetable (approximately 25% in class and 75% practical and experiential). In class we will discuss leadership theory and practice as well as plan for a variety of athletic and community events. All members of this team will benefit from leadership development, increased confidence, improved organizational skills, and ability to work effectively in a group. Experiences from this class will provide excellent resume builders and will translate into many important life skills. **Admission to this course is by application only. Contact Mr. Zuidhof for more details.**

### **Science 11**

This course has been developed to be a very practical approach to Science. Providing students with an opportunity to explore a variety of scientific fields with a very practical spin. The purpose of the class is provide students with a Personal, Vocational, and a Global understanding of how Science is used in our day-to-day lives. Some particular topics include exploring what factors impact the longevity of life, how science is utilized in a variety of career fields (E.g. forensic science), and the global implications of our current practices and how science can guide and direct our use of the world's natural resources. The course has been organized to be a very practical and hands-on approach to learning about Science as a discipline.

### **Spanish 11**

Spanish 11 is a continuation of the Spanish 10 course at LCS. Students will build upon the conversational and written skills they acquired in Spanish 9 & 10 and will develop their composition styles. This course will begin with a brief review of materials covered in Spanish 10. Communication skills and grammar structure will be developed further. A solid grade in Spanish 10 is strongly advised as a practical prerequisite to this course.

### **Textiles 11**

*I love to encourage students to take textiles as a venue to expand their sewing skills, creativity, self-sufficiency and their sense of Sabbath. Textiles can explore clothing and design, different forms of crafting such as quilting, dyeing cloth, etc. It is a way of serving others; a way of expressing oneself as well as exploring creativity and artistry. I think the biggest satisfaction in learning to sew and then practising the skill to a greater proficiency is the sense of peace, the sense of self satisfaction and the celebration of discovering abilities that foster creating. This course gives opportunities to evaluate needs, to make gifts, to alter what is thought to be old and worthless, to participate in becoming a smaller footprint, to create memories and mementoes and simply to make and discover it is good.*

Textile Studies 11 (full year course) provides two opportunities for students to engage in a focused experience in creative sewing techniques: fashion focus or craft focus.

- A. Students can take the traditional Textiles course and pursue an in depth study of garment construction by producing and evaluating textile items. In the first term students will review basic sewing skills, techniques, and use of equipment. They will quickly advance through these foundational skills using professional patterns and then they will redesign fabric items. Students are required to produce 4 clothing items using commercial patterns, learn about fabric composition, designer planning and garment construction techniques.
- B. Students can also take the Needle Craft focus in with they are allowed to pursue a number of self-designed options like home décor, knitting, stitching arts, crocheting, dyeing and coloring fabrics etc. A Quillow project may be as part of their quilt unit. This course will be open to grade

11 and 12 students. Students participate in a community unit which includes learning to do repairs and can include helping in the school play.

Please be aware that costs are involved in the course due to the purchasing required for patterns, fabrics, and notions. A minimum of four projects is required in both pathways. In class projects will have a cost of \$25; to be paid in the first week of classes. This covers thread, bag fabric or runner opening project, a simple pattern from the archive bin and extra small projects if done. Major projects costs are covered by the student. Fabric is offered at the school at \$3-\$5 per meter. Take a student card to fabric shops to receive a student discount.

### ***Theatre Production 11***

This course is based on an audition and is a credit given for students with significant roles in the yearly school play (both technical and performance roles). Students will be marked on attendance, attitude, written reflections as well as assistance in technical areas and their performance. Students will develop an awareness of the interrelations between the technical and acting areas and will develop skills as they are involved in the production.

***Prerequisite: Audition***

### ***Woodwork 11***

Students in this course will focus on the various methods of cabinet making and joinery skills. While there is a significant amount of theory, students are expected to complete one substantial project that draws on a number of disciplines learned such as construction of a table, chair, chest, etc. Students are expected to be responsible for the cost of the materials for their projects. The average cost of a project in grade 11 typically is around \$100.00 or less.

### ***Yearbook 11***

This course is intended for students who are interested in design and photography, and who wish to design the school's yearbook. They will use Photoshop and InDesign - both from the Adobe suite - to edit photographs and design layouts. Students will also be involved in a marketing campaign to promote the yearbook. They will develop skills in a variety of areas including computer use, digital camera photography and photo editing, design, typography, and marketing. The yearbook production requires sensitivity towards the individual students, the student body and the school centre as well as the school community. Students must learn, practise, and enhance technical skills in a tasteful and sensitive manner. It is not a prerequisite to own or to have access to a digital camera, although that would be beneficial. Although this course provides freedom and flexibility, students are expected to take full responsibility for their spreads, i.e. be self-disciplined, take initiative and complete on time. If this is the student's first year in Yearbook, he/she will have the option of taking this course in grade 12 as well where he/she will assume a leadership role in the portfolio of Editor.

### ***Youth Work in Trades 11***

This course gives students the opportunity to pursue a career in a certified trade through the Industry Training Association (ITA). Students who complete the program and obtain 900 hours of work will receive 18 additional credits towards graduation and a \$1000 cheque from the government upon completion. Students benefit from the contacts and references that are a natural result of becoming a successful apprentice. Students who take this course are cross-enrolled with Fraser Valley Distance Education. Talk to Mrs. Huberts for more information.

***Please note: All courses are subject to change, based on teacher availability and class size***