





SCA SECONDARY SCHOOL COURSE HANDBOOK

2024-2025

780-464-7127 

scasecondary.ca 

1011 Clover Bar Rd. 
Sherwood Park, AB

But those who hope in the Lord will renew their strength. They will soar on wings like eagles; they will run and not grow weary, they will walk and not be faint.

Isaiah 40:31

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Mission Statement

To challenge students through Christ-centered education to know Jesus Christ as Saviour and Lord in order to pursue a life of godly character, personal and academic excellence, and service to others.

We:

are an outreach and service ministry of Sherwood Park Alliance Church and adhere to its statement of faith;

are an Alternative Program of Elk Island Public Schools who support a comprehensive philosophy of education in our community;

affirm that students are God's unique creation, deserving of a respectful, loving and nurturing environment which prepares them for life now and eternally;

believe that Christian education develops the total person spiritually, intellectually, socially and physically;

are committed to teaching the Alberta curriculum from the perspective of what the Bible says about God, ourselves and the world;

will develop a qualified, committed Christian teaching staff, providing a supportive environment for their professional development;

respect, value and honour the role and responsibility of parents as partners in education; are supportive of the government, the local and universal church, and our community.

Introduction

Welcome Message

Welcome to Strathcona Christian Academy Secondary School (SCS), a Christian School that is a ministry of Sherwood Park Alliance Church (SPAC) and an alternative program of Elk Island Public Schools (EIPS). SCS follows the Alberta curriculum interpreted from an evangelical Christian philosophy.

It is our hope that each student will enjoy being in our school, experience excellent learning in a caring and nurturing environment, and experience God through a personal, intimate relationship with Him.

Our mission is important to us. Within it we recognize the following distinctives:

Christ-centered education: We teach the Alberta curriculum from the biblical worldview with the understanding that Jesus Christ is the creator and sustainer of all things. Our desire is to develop in our students the ability to think and live biblically and to apply the Christian worldview to all areas of their lives.

Knowing Jesus Christ: We are created to know, love and bring glory to God by entering into a personal, intimate relationship with Jesus Christ as we live a Holy Spirit-filled life. We desire that our students humbly and obediently choose to serve and follow Jesus Christ in every aspect of their being.

Godly character: We aim to provide our students with instruction in godliness so that they may decide to allow Jesus Christ to build His character into each one of them.

Academic excellence: We are called to challenge our students to excel in their schoolwork as a means of glorifying God and of preparing for their life's work and service in the Kingdom of God.

Service to others: We provide programs whereby students may serve in the school, the church and the community. This includes an emphasis on service projects throughout the school year and student involvement in missions and other kinds of ministry.

SCS strives to meet the needs of individual students by enabling each student to pursue excellence, experience success and realize his/her potential in all aspects of the school's programming. Above this is our desire for students to have a 'heart after God' and pursue all activities at school for the sake of God's kingdom. As a Christian school in EIPS, Christ is our source and our center.

In Christ,

Matthew Spronk, Principal
Kevin Winkel, Assistant Principal (Junior High)
Kyla Harding, Assistant Principal (Senior High)

GENERAL ACADEMIC INFORMATION

Exams

Students write exams in the four core subject areas: English Language Arts, Science, Mathematics, and Social Studies. All Grade 7 through 12 students write the full complement of final exams.

Final exams are scheduled in January and June. Grade 9 Provincial Achievement Tests (PATs) and Diploma exams are scheduled by Alberta Education and EIPS. Rescheduling is only considered in significant extenuating circumstances, such as a school or family emergency. Requests to reschedule final exams MUST be made through the administrative team.

NOTE: Diploma exams will normally occur regardless of weather. Students are expected to make every reasonable effort to reach the school on these occasions. The school will be open for diploma exams whether or not the buses are running.

Report Cards and Honour Roll

Student academic progress is available online via [PowerSchool](#) throughout the school year. SCS does not print report cards unless a personal request is made at the office.

Honour Roll certificates are awarded to Jr. High students who achieve an average of 80% or greater in their four core courses and High School students who are awarded the [Alexander Rutherford Scholarship](#) for 80% or higher in five courses. The certificates are presented at the *Awards Night* in the fall.

Highest Academic Average is awarded to the student with the highest average in their top four core courses taken at the grade level for which the award is given. In High School, the courses used in the calculations must be from the top academic stream (10, 10-1, 20, 20-1, 30, 30-1, 31) and grade 12 courses must have a Diploma Exam. These awards are presented at the *Awards Night* in the fall.

Retention Policy

In High School, students must achieve a passing grade of 50% to receive credits and move to the next course in the sequence or stream. In some cases, the final grade in prerequisite courses is greater than 50% to move to the next course. See individual courses in the *SCS Course Handbook* for more details regarding specific course requirements.

Homework

Homework supplements instructional time in the classroom. It serves to enhance knowledge and learning in order for each student to achieve the key learning outcomes established by Alberta Education. Special projects, reports, assignments, worksheets, tests, and exams are examples of homework activities intended to benefit each student.

In Jr. High, an average student can expect to spend 1- 2 hours on homework each day. While teachers attempt to provide balance across the subject areas, core subjects are emphasized, and the amount of homework may vary from day to day and week to week.

In High School, the amount of time spent on homework is dependent on the types of courses chosen, the ease and speed with which students are able to complete higher-level academic work, and the results they wish to achieve. In general, students are responsible to achieve their academic goals in order to pursue their desired career path.

Teachers provide information to parents regarding their homework practices at Meet the Teacher night in the fall, as well as through their class Bright Space portal. Parents are encouraged to contact their child's teacher with further questions or concerns about how to support and encourage their child's learning in a particular course.

Parents are encouraged to provide an environment that will foster and facilitate homework to be completed. Homework develops the skills required to be independent, confident learners, both in and away from school.

School Supplies

School supplies are standardized across EIPS. Grade specific school supply lists are posted on the school website.



ST. CHARLES ACADEMY

JUNIOR HIGH COURSE OFFERINGS

Strathcona Christian Academy Secondary is committed to helping students excel throughout their Junior High experience. As you peruse Junior High Course Descriptions, you will realize that you have many decisions to make based on a wide variety of choices. When you choose your courses, remember that you have many resources to assist you – teachers, the School Counsellor, and administrators. Choose wisely. Changes to homeroom class lists and students' assigned option courses are only made in extenuating circumstances. Course offerings are based on student enrolment, staffing availability, and timetabling.

Grade 7 Course Descriptions

REQUIRED COURSES

CHRISTIAN STUDIES & LIVING 7

This course combines both Health and Christian studies together. Students will study teen identity alongside their identity in Christ. Lessons will focus on students' knowledge of their acceptance, assurance, and significance in Jesus and in who God has made them to become. Secondly, students will learn about their physical health and the importance this plays in their mental health. Lessons will focus on the importance of knowing their physical needs in order to fill their mental needs. We will also be discussing the importance of Sabbath and rest in regard to a student's mental health. Lastly, students will experience the Alpha program for teens, which asks and answers difficult questions about Christianity and allows students to explore and strengthen their faith in a safe environment. Students are required to memorize 10 Bible memory verses and complete a variety of projects during the school year.

ENGLISH LANGUAGE ARTS 7

Grade 7 students extend their understanding in English Language Arts by finding different ways to express ideas, such as through magazine ads or brochures. They analyze how storylines progress, considering settings and characters, and make notes using headings, subheadings or symbols. For more information about English Language Arts 7, refer to the [program of studies](#).

HEALTH 7

The aim of the Health and Life Skills Kindergarten to Grade 9 Program of Studies is to enable students to make well-informed, healthy choices and to develop behaviors that contribute to the well-being of self and others. Students in this grade experience the Dare program (Define, Assess, Respond, Evaluate) which discusses the importance of healthy choices to resist drugs and violence. A guest constable from the RCMP will run this program. As well, a guest speaker from the Pregnancy Care Center will come and discuss smart choices in regard to sexual education.

MATH 7

Students will learn and explain the divisibility rules, solve problems involving percent, and add and subtract integers. They will add and subtract fractions and mixed numbers. Students will model and solve one-step equations and two-step equations and solve problems involving area. They will understand the mean, median and mode for a set of data and create and interpret circle graphs. For more information about Mathematics 7, refer to the [program of studies](#).

PHYSICAL EDUCATION 7

Students will take part in various activities that will help them to lead a healthy, active lifestyle.

They will grow to appreciate the importance of physical activity, while discovering essential life skills, such as cooperation, leadership, fair play, and teamwork. For more information about Physical Education, refer to the [program of studies](#).
(PE Attire is required.)

SCIENCE 7

Students will begin the study of energy, matter and forces and analyze and communicate understandings of Earth and its ecosystems. Grade 7 Science focuses on the science- and technology-related knowledge and skills students need in order to solve problems and make decisions about social and environmental issues. For more information about Grade 7 Science, refer to the [program of studies](#).

SOCIAL STUDIES 7

Students will explore the people and events that led to Canadian Confederation, and the major changes in Canadian life since then that have shaped citizenship and identity in our diverse society. For more information about Grade 7 Social Studies, refer to the [program of studies](#).

GRADE 7 OPTION COURSES

Many junior high option courses are classified as "CTF " courses, which stands for "Career and Technology Foundations." For more information about the structure of CTF courses in general, refer to the [program of studies](#).

ART 7

What would I do if I were an artist? Junior high students use a range of tools, materials, and media to express how they feel, to think artistically and to value art. They draw and create art, and they examine the art that others have made. For more information about Art, refer to the [program of studies](#).

Fee: \$24

BAND 7

This course introduces the students to the world of instrumental music. Students may begin the year on flute, oboe, bassoon, clarinet/bass clarinet, alto/tenor/baritone saxophone, trumpet, French horn, euphonium, trombone, or tuba. Students will learn to play their instrument, read musical notation and develop their aural skills. Different styles of music will be explored, and performances in a variety of band settings will be available. Participation in all band performances, concerts and festivals is a regular and compulsory part of this course. All pertinent dates will be supplied throughout the year. Students are responsible for renting or purchasing the appropriate instrument and cleaning supplies from a recognized music store.

Fee: \$35 + Band Shirt + Music Folder

Instrumental Rental: \$210

CTF: CONSTRUCTION TECHNOLOGIES 7

Our time in the woodworking shop begins with a strong safety and tool recognition emphasis. Hand and power tool skill will be gained as we design and build race cars, storage boxes, shelves, and serving trays.

Fee: \$42

CTF: FOODS AND TEXTILE TECHNOLOGIES 7

Foods: This portion of this course is designed to develop each student's confidence in cooking skills, organizational skills, and time management based on meal planning. Food presentation and meal planning are included. Kitchen safety and food handling are reviewed at this level.

Textiles: This portion of this course covers the operation and care of all sewing equipment, as well as working with a pattern, preparing and cutting fabric, and constructing a project.

Fee: \$102

CTF: GRAPHIC ARTS 7 (COMPUTERS)

Graphic Arts is replacing the old Information Processing course in order to broaden its scope for the 21st century. Students will focus on the field of graphic arts in a variety of mediums and the idea of using their art for the purpose of communicating a thought, concept or message to an audience. Students will have the opportunity to create a portfolio showcasing their original creations and designs. Areas of exploration and challenges may include: digital art, film creation, animation, photography and digital image manipulation, 2D & 3D design, cartooning, comic art and illustration.

Fee: \$18

CTF: RECREATIONAL FITNESS 7

The aim of Recreation Fitness is to provide students more time to work on their personal fitness and skill with regards to different sports. Both team and individual games will be played as well as working on their fitness through a variety of different workouts. Students who enjoy Physical Education will love Recreation Fitness.

Fee: \$47 (includes field trip fees)

CTF: WORLD OF SPORT 7

Through this activity-based course, students will explore the World of Sport, including the impact of sports on community and society, as well as careers associated with sports administration and sport support systems. Students who enjoy Physical Education will love World of Sport.

Fee: \$81

DRAMA 7

Lights, curtain, action! Students will explore acting, improvisation, movement, and speech. They'll develop confidence and learn about themselves and others. Your child will discover how much work it takes, behind the scenes and on the stage, to put on a successful production. For more information about Drama, refer to the [program of studies](#).

Fee: \$6

ENVIRONMENTAL/OUTDOOR EDUCATION 7

Learning in the great outdoors! This activity-based option includes at least one field trip and a lot of outdoor games and activities. The aim is to foster an appreciation of our land and how we can enjoy it in various ways that improve our overall well-being.

Fee: \$55

FRENCH 7

Students will discuss and write about familiar topics, such as school subjects and activities, the weather, and friends. They will compare different Francophone cultures. Your child will also decide how to correctly address people and when to use formal or informal language, and they will correctly write addresses and telephone numbers in French. Want to know more about Grade 7 French as a Second Language? Refer to the [program of studies](#).

Fee: none at this time



Grade 8 Course Descriptions

REQUIRED COURSES

CHRISTIAN STUDIES & LIVING 8

Christian Studies and Living 8 is more than a course, it's a ministry plan. "Bible 8" goes beyond the "how to" of the Christian faith and provides the student with biblical principles that equip them for life beyond the Christian school. The essential principles upon which their life can be built include Authentic Faith, Spiritual Disciplines, Moral Boundaries, Healthy Friendships, Wise Choices, Ultimate Authority, and Others First. Using scripture memory and service, in an atmosphere of love and grace, some of the specific topics covered in this grade include the Bible, how Jesus changes everything, Christian meditation, and servant leadership.

ENGLISH LANGUAGE ARTS 8

Grade 8 students study and create their own texts, including oral, print and visual texts, as they develop listening and speaking, reading and writing, viewing and representing, and inquiry and research skills. For more information about English Language Arts 8, refer to the [program of studies](#).

HEALTH 8

The aim of the Health and Life Skills Kindergarten to Grade 9 Program of Studies is to enable students to make well-informed, healthy choices and to develop behaviors that contribute to the well-being of self and others. Some specific topics covered include developing friendships that last, digital integrity and safety, and developing healthy habits for life.

MATH 8

Students will understand perfect squares and square roots, and solve problems involving percents, rates, ratios, and proportions. They will multiply and divide positive fractions, mixed numbers and integers. Students will solve problems involving the Pythagorean theorem, surface area, volume and probability of independent events. For more information about Mathematics 8, refer to the [program of studies](#).

PHYSICAL EDUCATION 8

Students will take part in various activities that will help them to lead a healthy, active lifestyle. They will grow to appreciate the importance of physical activity, while discovering essential life skills, such as cooperation, leadership, fair play, and teamwork. For more information about Physical Education, refer to the [program of studies](#).

(PE Attire is required.)

SCIENCE 8

Students apply this Grade 8 Science vocabulary as they investigate machines and the human body. They experiment with liquids and gasses to interpret their uses in everyday situations, and they learn how light travels through different materials and how vision works. For more information about Grade 8 Science, refer to the [program of studies](#).

SOCIAL STUDIES 8

Through inquiry, students will reflect on their own worldview and assess the influence that the past has on the present. By examining historical examples drawn from Japan, Renaissance Europe and Spanish and Aztec societies, your teen will better understand how contact between societies can lead to change. For more information about Grade 8 Social Studies, refer to the [program of studies](#).

GRADE 8 OPTION COURSES

Many junior high option courses are classified as "CTF " courses, which stands for "Career and Technology Foundations." For more information about the structure of CTF courses in general, refer to the [program of studies](#).

ART 8

What would I do if I were an artist? Junior high students use a range of tools, materials, and media to express how they feel, to think artistically and to value art. They draw and create art, and they examine the art that others have made. For more information about Art, refer to the [program of studies](#).

Fee: \$24

BAND 8

Prerequisite - Band 7 or by consent of the Band Department

This course is a continuation of Band 7. Students will continue to develop their musical skills and knowledge. Available instruments of study include: flute, oboe, bassoon, clarinet, bass clarinet, alto saxophone, tenor saxophone, baritone saxophone, trumpet, French horn, trombone, euphonium, tuba and percussion. Students are required to continue with the same instrument on which they completed Band 7. Further performance opportunities in Junior Jazz Band, small ensembles and solo settings will be available and encouraged. Tour dates and fees will be released as they become available. Students are responsible for renting or purchasing the appropriate instrument and cleaning supplies from a recognized music store.

Fee: \$35 + Band Shirt + Music Folder

Instrumental Rental: \$210

CTF: CONSTRUCTION TECHNOLOGIES 8

This course focuses on the woodworking shop. It begins with a strong safety emphasis and with a tool recognition unit. The students will learn how to use hand tools and four of the power tools including the scroll saw, the band saw, the drill press, and the sander. Their projects will include CO2 cars, a mantle clock, a shelf, and a bubble gum machine.

Fee: \$42

CTF: DESIGN STUDIES 8 (VIDEO GAME FOCUS)

Using creativity to demonstrate the use of design and digital media techniques, students will learn a variety of applications to increase their understanding of, and ability with technology. From 3D modeling, to special effects and app development, students will develop their critical thinking and proficiency in navigating through a digital world.

Fee: \$11

CTF: FILM PRODUCTION 8

In this course students will examine the value and need for audio and video production, and explore the strategies used to plan and create audio and video projects using a variety of techniques. Areas of exploration and challenges may include film analysis, sound production, directing, cinematography, script writing, editing and digital effect and production design.

Fee: \$7.50

CTF: FOODS 8

This course is designed to develop each student's confidence in cooking skills, organizational skills, and time management based on meal planning. Food presentation and meal planning are included. Kitchen safety and food handling are reviewed at this level.

Fee: \$102

CTF: GRAPHIC ARTS 8 (COMPUTERS)

Graphic Arts is replacing the old Information Processing course in order to broaden its scope for the 21st century. Students will focus on the field of graphic arts in a variety of mediums and using their art to communicate a thought, concept or message to an audience. Students will have the opportunity to create a portfolio showcasing their original creations and designs. Areas of exploration and challenges may include: digital art, film creation, animation, photography and digital image manipulation, 2D & 3D design, cartooning, comic art and illustration.

Fee: \$18

CTF: RECREATIONAL FITNESS 8

A course designed to help students make wise choices about physical activity. With knowledge and experiences, their choices could improve their health, avoid preventable diseases, and allow them to enjoy life to the fullest. The rationale for the program is to encourage students to be active and to get out of the sedentary lifestyle that modern conveniences have encouraged. This is an activity-based course.

Fee: \$45 (includes field trip fees)

CTF: TEXTILE ARTS AND TECHNOLOGIES 8 (Fashion)

Students will explore the textile industry and how it applies to their everyday life through a series of activities and challenges. Students will be exposed to multiple textile mediums, as well as how to use these textiles to create unique, attractive, and usable products. Students will also develop an awareness of the eco-footprint associated with production. This course covers the operation and care of all sewing equipment, as well as working with a pattern, preparing and cutting fabric, and constructing a project.

Fee: \$82

DRAMA 8

Lights, curtain, action! Students will explore acting, improvisation, movement, and speech. They'll develop confidence and learn about themselves and others. Your child will discover how much work it takes, behind the scenes and on the stage, to put on a successful production. For more information about Drama, refer to the [program of studies](#).

Fee: \$6

ENVIRONMENTAL/OUTDOOR EDUCATION 8

Learning in the great outdoors! This activity-based option includes at least one field trip and a lot of outdoor games and activities. The aim is to foster an appreciation of our land and how we can enjoy it in various ways that improve our overall well-being.

Fee: \$55

FRENCH 8

Students will explore the evolution of French and see that French differs from region to region. They will write, read, and speak about topics such as pets and pet care, clothing design and care, and nutrition. They will also explore Francophone food and celebrations and become more sophisticated in how they use the language. Still curious? Refer to the [program of studies](#) for more about Grade 8 French as a Second Language.

Fee: none at this time

The logo consists of the letters 'SCA' in a bold, stylized font. The letters are dark blue with a thick red outline. The 'S' is a simple, rounded shape. The 'C' is a thick, rounded curve. The 'A' is a bold, blocky letter with a small triangular cutout in the center.

Grade 9 Course Descriptions

REQUIRED COURSES

CHRISTIAN STUDIES & LIVING 9

Christian Studies and Living 9 is more than a course, it's a ministry plan. "Bible 9" goes beyond the "how to" of the Christian faith and provides the student with biblical principles and equip them for life beyond the Christian school. The essential principles include Authentic Faith, Spiritual Disciplines, Moral Boundaries, Wise Choices, Ultimate Authority, and Others First. Using scripture memory and service, in an atmosphere of love and grace, some of the specific topics covered in this grade include who is the Holy Spirit, doubt, prayer, and walking as Jesus walked.

ENGLISH LANGUAGE ARTS 9

Grade 9 students examine ideas, experiences, and information from points of view that differ from their own. They discuss how different people take away different meanings from the same material. Using different sources of information, they continue to develop their own opinions and impressions. For more information about English Language Arts 9, refer to the [program of studies](#).

HEALTH 9

The aim of the Health and Life Skills Kindergarten to Grade 9 Program of Studies is to enable students to make well-informed, healthy choices and to develop behaviors that contribute to the well-being of self and others. Specific topics covered may include dating for life, developing healthy friendships, and making wise choices.

MATH 9

Students will solve problems involving powers and apply the order of operations, including exponents. They will solve problems involving operations on positive and negative fractions and decimals and understand square roots of positive numbers. They will model and solve problems using linear equations and linear inequalities in one variable. They will also be introduced to polynomials and solve problems involving circle geometry and scale diagrams. For more information about Mathematics 9, refer to the [program of studies](#).

PHYSICAL EDUCATION 9

Students will take part in various activities that will help them to lead a healthy, active lifestyle. They will grow to appreciate the importance of physical activity, while discovering essential life skills, such as cooperation, leadership, fair play, and teamwork. For more information about Physical Education, refer to the [program of studies](#).
(PE Attire is required.)

SCIENCE 9

Students in Grade 9 Science work safely with chemicals to explain, interpret and extend their understanding of chemical theory. They also design, test and evaluate electrical devices that transfer and transform energy, and they explore the role of genes and DNA in the diversity of life. Students study space exploration and how science and technology are related. For more information about Grade 9 Science, refer to the [program of studies](#).

SOCIAL STUDIES 9

Grade 9 Social Studies focuses on citizenship, identity, and quality of life. Students will examine the relationships between Canada's political and legislative processes, and they'll examine the impact of these processes on governance, rights, citizenship, and identity. Students will also explore issues of economics and their impact on quality of life, citizenship and identity in Canada and the United States. For more information about Grade 9 Social Studies, refer to the [program of studies](#).

GRADE 9 OPTION COURSES

Many junior high option courses are classified as "CTF " courses, which stands for "Career and Technology Foundations." For more information about the structure of CTF courses in general, refer to the [program of studies](#).

ART 9

What would I do if I were an artist? Junior high students use a range of tools, materials, and media to express how they feel, to think artistically and to value art. They draw and create art, and they examine the art that others have made. For more information about Art, refer to the [program of studies](#).

Fee: \$30

BAND 9

Prerequisite - Band 8 or by consent of the Music Director.

This course is a continuation of Band 8. Students will continue to develop musical skills and knowledge. Students must continue with the same instrument on which they completed Band 8. Performance opportunities in Junior or Senior Jazz Band, small ensembles and solo settings will be available and encouraged. Participation in all band performances, concerts and festivals is a regular and compulsory part of this course. Students are responsible for renting or purchasing the appropriate instrument and cleaning supplies from a recognized music store.

Fee: \$35 + Band Shirt + Music Folder

Instrumental Rental: \$210

CTF: CONSTRUCTION TECHNOLOGIES 9

Construction 9 is designed to meet the needs of both students who have taken Construction 8 as well as those for whom this will be their first woodworking experience. Students are introduced to the whole culture of safety, both in the correct use of hand and power tools as well as the use of a variety of personal protective equipment. The first project is a hall table, followed by a skateboard. Should time allow, a third project will be made available which may include some time on the wood lathe.

Fee: \$42

CTF: FILM PRODUCTION 9

In this course students will examine the value and need for audio and video production, and explore the strategies used to plan and create audio and video projects using a variety of techniques. Areas of exploration and challenges may include film analysis, sound production, directing, cinematography, script writing, editing and digital effect and production design.

Fee: \$7.50

CTF: FOODS 9

This course is designed to develop each student's confidence in cooking skills, organizational skills, and time management based on meal planning. Food presentation and meal planning are included. Kitchen safety and food handling are reviewed at this level.

Fee: \$102

CTF: GRAPHIC ARTS 9 (COMPUTERS)

Graphic Arts is replacing the old Information Processing course in order to broaden its scope for the 21st century. Students will focus on the field of graphic arts in a variety of mediums and the idea of using their art for the purpose of communicating a thought, concept or message to an audience. Students will have the opportunity to create a portfolio showcasing their original creations and designs. Areas of exploration and challenges may include: digital art, film creation, animation, photography and digital image manipulation, 2D & 3D design, cartooning, comic art and illustration.

Fee: \$18

CTF: LEADERSHIP 9

Prerequisite: An application is required for this course. All students who have selected this course will be contacted with further information at a later date. This class prepares and develops students into leaders by taking on tasks such as Student Council, fundraising, Chapels, and Peer Support. Students will be involved in public speaking activities, class discussions, prayer groups, dramas, school spirit, and service in the community.

Optional Fee: Maximum of \$1200 (includes a weeklong missions trip over Spring Break; fundraising efforts will offset the fee). Please direct any fee inquiries to symonds.botchey@eips.ca.

CTF: RECREATIONAL FITNESS 9

A course designed to help students make wise choices about physical activity. With knowledge and experiences, their choices could improve their health, avoid preventable diseases, and allow them to enjoy life to the fullest. The rationale for the program is to encourage students to be active and to get out of the sedentary lifestyle that modern conveniences have encouraged. This is an activity-based course.

Fee: \$45 (includes field trip fees)

CTF: TEXTILE ARTS AND TECHNOLOGIES 9 (Fashion)

Students will explore the textile industry and how it applies to their everyday life through a series of activities and challenges. Students will be exposed to multiple textile mediums, as well as how to use these textiles to create unique, attractive, and usable products. Students will also develop an awareness of the eco-footprint associated with production. This course covers the operation and care of all sewing equipment, as well as working with a pattern, preparing and cutting fabric, and constructing a project.

Fee: \$86

DRAMA 9

Lights, curtain, action! Students will explore acting, improvisation, movement, and speech. They'll develop confidence and learn about themselves and others. Your child will discover how much work it takes, behind the scenes and on the stage, to put on a successful production. For more information about Drama, refer to the [program of studies](#).

Fee: \$6

ENVIRONMENTAL/OUTDOOR EDUCATION 8

Learning in the great outdoors! This activity-based option includes at least one field trip and a lot of outdoor games and activities. The aim is to foster an appreciation of our land and how we can enjoy it in various ways that improve our overall well-being.

Fee: \$55

FRENCH 9

In preparation for adulthood, students will learn about jobs in which French is useful. This year, they will add to what they already know about the French language and Francophone culture, exploring life in Francophone communities and correctly using French for building and street names, measurement symbols, and correspondence. Your teen will write and talk about a variety of topics, including sports, housing designs, and sports injuries and injury prevention. For more about Grade 9 French as a Second Language, refer to the [program of studies](#).

Fee: none at this time



HIGH SCHOOL INFORMATION

Strathcona Christian Academy is committed to helping students excel through High School. As you peruse High School Course Descriptions, you will realize that you have many decisions to make based on a wide variety of choices. As you choose your courses remember that you have many resources to assist you – teachers, the School Counsellor, and administrators. Choose wisely. High School course changes will only be considered for specific student success planning, including post-secondary admission requirements, or.

High School Diploma Requirements

Alberta Education issues the high school diploma upon completion of Grade 12. Information on transcripts, statement of courses, marks and diploma examination rewrites is available on the [Alberta Education website](#).

Credit Requirements:

All students will be required to earn a minimum of 100 credits in high school, including:

- ☐ English Language Arts 30-1 or English Language Arts 30-2.
- ☐ Social Studies 30-1 or Social Studies 30-2.
- ☐ Mathematics – a minimum of 10 credits including a 20-level course.
- ☐ Science – a minimum of 10 credits including a 20-level course.
- ☐ Physical Education – a minimum of 3 credits of Physical Education 10
- ☐ Career and Life Management (CALM) – 3 credits.
- ☐ Career and Technology Studies or Fine Arts or Second Languages or Physical Education 20 or 30 – a minimum of 10 credits in any combination.
- ☐ Grade 12 courses – a minimum of 10 credits in 30 level courses in addition to English Language Arts and Social Studies.

Certificate of High School Achievement Requirements

The requirements indicated in this chart are the minimum requirements of a student to attain a Certificate of High School Achievement. The requirements for entry into post-secondary institutions and workplaces may require additional and/or specific courses.

80 credits including the following:

English Language Arts 20-2, 30-4

Social Studies 10-2, 20-4

Mathematics 20-3, 20-4

Science 14, 20-4

Physical Education 10 (3 credits)

Career and Life Management (CALM) (3 credits)

5 credits in a 30 level Knowledge & Employability Occupation Course or 30 level Career and Technology Studies (CTS) Courses

AND

5 credits in 30 level Knowledge & Employability Workplace Practicum Course or a 30 level Work Experience Course or a 30 level Green Certificate Course

Course Challenges

The *Education Act* allows High School students to challenge the expectations for a course by participating in a formal assessment process rather than taking the course. It is intended for students who already possess the expected knowledge, skills, and attitudes as defined by the *Program of Studies* for a given course, usually because the student has participated in experiences or activities which have enabled the student to gain such knowledge, skills, and attitudes. It is not intended as a shortcut for completing courses.

Course Changes

High school students are required to make course changes within the first week of each semester. After this date, students may be denied withdrawal from a course. Should a student withdraw from a course, he/she must still meet the recommended credit load requirements.

Course and Credit Load Requirements

High school students are expected to register in classes that total the following minimums:

- Grade 10 – recommended minimum 40 credits (a full timetable)
- Grade 11 – recommended minimum 35 credits
- Grade 12 — enough courses to ensure graduation

Course Numbers

Grade 10 courses are indicated by the subject followed with a number beginning with "1" such as English Language Arts 10-1. Grade 11 courses are indicated with the subject followed by a number beginning with "2" such as Social Studies 20-1. Grade 12 courses are indicated with the subject followed by a number beginning with "3" such as Chemistry 30.

Distance Learning

Students wishing to do a Distance Learning course must make their own arrangements and still must maintain the recommended SCS credit load requirements.

Pre-Requisites

Course prerequisites are listed with course descriptions. A course *must* be completed with a minimum of 50% for credits to be awarded and before a more advanced course can be taken in the same stream. Recommended marks are included to give a guideline for best academic success.

** Students can upgrade their marks through Summer School if necessary.***

SCS Graduation

To graduate from SCA Secondary School all students must earn a minimum of 9 Christian Studies credits. The completion of these credits can be done in any sequence and is pro-rated for students who have not attended SCA since Grade 10*.

*Students entering Grade 11 at SCA for the first time would need to earn 6 Christian Studies credits prior to graduation at the end of Grade 12. New students entering Grade 12 would need to earn 3.

HIGH SCHOOL COURSES

HIGH SCHOOL CORE SUBJECTS

Bible and Christian Studies

To graduate from SCA Secondary School all students must earn a minimum of 9 Christian Studies credits. The completion of these credits can be done in any sequence and is pro-rated for students who have not attended SCS since Grade 10.

Leadership 10/20/30

3 Credits

Prerequisite: none; application required

The Leadership courses are 3-credit CTS courses offered at the 10, 20, and 30 levels, both inside and outside the regular timetable. The course is designed to develop essential leadership knowledge and skills with a focus on the development of Christian character in leadership. This course helps students develop key values, attitudes, and ethics for leadership and for responsible citizenship in the future. Student Leaders will leave the course equipped to be engaged thinkers, ethical citizens, and morally responsible and social individuals.

The emphasis in Leadership 10, 20, and 30 is the development of leadership skills and attitudes, character development, and social responsibility. Student leaders will demonstrate their understanding of the critical values and attitudes needed to become a leader of themselves, to increase their capacity to lead others by example. Student leaders will actively engage in the delivery and scope of this class through active participation in a leadership role at school and in the local community. Through this involvement, student leaders will begin to refine their leadership style, personal vision, their life's direction, and understanding of their social responsibilities.

This course will be primarily off-timetable and will include some lunch hours and after school commitments.

Missions National 10/20/30

5 Credits, (full year course)

Prerequisite: An application is required for this course. All students who have selected this course will be contacted with further information at a later date.

Are you ready to embark upon a great adventure? If so, SCA Missions is just for you. Our Missions Program is an opportunity for students to be trained in ministry and service and then for them to put that into practice and experience God at work through them on a mission trip. During the program students will:

- Study the Biblical concept of ministry and leadership
- Develop leadership skills through committee work and class activities
- Develop public speaking skills through our Toastmasters International Program
- Participate in a mission trip

Mission Trips are announced on a yearly basis.

Missions Local 10/20/30

3 Credits (Semester 1 or 2)

Missional Living is a community and a program that strives to practically live out the redemption of the world in everyday living. Being on mission is one of the purest and most natural forms of worship found in the Bible.

Missional Living introduces students to a spectrum of ministries both here in our community of influence and in the detours that God calls us to. Some of the current ministries that we partner with include World Vision, Food for the Hungry, SPAC Missions & Justice, PAC Center, Big Buddy Ministry, Sonburst, Strathcona Probation Services, Mustard Seed, Hope Mission, PALM ministries, and Heart 2 Heart Ministries. We operate under this belief:

The mission field that God has called you to, He's called you to today. It is with the people you know, the gifts He's given you, and the trajectory of your life. We must be present among those who need us, giving ourselves to them and for them. Jesus Himself was always present. He lived and dwelled and touched and healed those around Him. We are called to mission. Every day. Today. Now. Follow me.

The course is unique from our traditional Missions courses in that students do not need to apply to get in. There will not be any class fundraising, so students are required to pay the expense of any detour trip. COURSE NOTE: Students can register in this course without going through an application process. This course is for 3 credits and is per semester.

Religious Meanings 20

3 Credits

Prerequisite: None; typically taken in Grade 10

Foundations - Standing Firm: This course challenges students to accept and study the Bible as trustworthy and authoritative in all matters of faith and conduct. Considered in the course are topics such as how the Bible was born, the canonization of Scriptures, its revelation of the character of God, basic principles for interpretation, and how the Bible has been misinterpreted and misrepresented by various sects.

Religious Ethics 20

3 Credits

Prerequisite: None; typically taken in Grade 11

Ethics - Applying Your Faith: This course challenges students to know and understand what the Bible teaches about ethics and morality. It encourages them to develop a biblical foundation for their own moral lives, and it strives to help them understand and approach biblically today's ethical problems and dilemmas.

Social Justice 10/20/30

3 Credits

Prerequisite: None

This course introduces students to a variety of social justice concepts and issues from around the world. Students in this course will progress from awareness to action on a social justice issue (or issues) of their choice. The purpose of this course is to develop followers of Christ who are better equipped to address the injustice they see in the world.

From Micah, to James, to the Proverbs, students will engage and reflect on themes of justice, compassion and Agape love that are found throughout the Bible. Students will analyze social justice issues to gain a more thorough understanding of their complexities and then choose a specific issue (or issues) to focus on. Students will develop their own personal action plans for pursuing change on an issue (or issues) they feel passionate about.

COURSE NOTE: Students do not need to apply to get into this program. There will not be any class fundraising, so students are required to pay the expense of any field trip.

School of Worship Arts (Chamber Ensemble 15/25/35)

5 Credit (full year course); 3 Credit (one semester)

Prerequisite: Entrance by audition/ interview and enrollment in Choral or Band.

This course is available to the following instruments: Piano, Bass, Drums, Guitar, and Voice. Students wishing to participate on another instrument must consult the Music Department. This course aims to raise up highly skilled musicians with a firm Biblical foundation in worship leadership. Students will study the fundamentals of musical technique on their instruments as well as basic music theory and ear training common to all musicians. A firm scriptural basis for worship components, styles and leadership techniques will be thoroughly explored and applied as the students learn to lead the band and their fellow students in practical settings such as chapels and other times of worship. The course consists of in-class components as well as practical, out-of-class projects requiring the demonstration of skills learned.

World Religions 30

3 Credits

Prerequisite: None; typically taken in Grade 12

Apologetics - Giving a Reason: This challenging course looks at the tenets and history of the Christian faith; then it compares and contrasts these to the major world religions (Judaism, Hinduism, Buddhism, Islam, the Oriental religions, and New Age).

New for 2024-25 - This course can now be taken online should there be a scheduling conflict.*

**For students to take this class online, they must receive Principal approval.*

Community Kitchen *New for the 2024-25 school year*****

3 or 5 Credits

Prerequisite: None

Serving others from a Biblical standpoint is key to the Community Kitchen! This course is a hands-on class where students will have the opportunity to serve through a variety of food preparation and service opportunities such as: the Eagle's Nest, 'We Care' Ministry lunches, random acts of kindness, compassion meals for families in need, blessing new students through our host program, as well as special events in and around the school. Students will be an active part of outreach within our school community and beyond, through yummy food! This course includes the basics of meal planning and preparation; including budgeting and creating grocery lists. Students will also earn their Food Safe certification.

**This course can be taken every other day all year, or for 1 semester.*

***Students who select this course will be given work experience credits towards graduation.*

Career and Life Management

CALM (Graduation Requirement)

3 Credits

Prerequisite: None

This program is designed to provide all senior high school students with opportunities to learn life skills and to make choices regarding their future. The course covers three themes which relate to choices (Personal, Career and Financial Choices). These themes are explored from a Christian worldview. One of the major components of CALM is the preparation of a Career Portfolio. The portfolio constitutes a major part of the final CALM mark.

Note: CALM in SCS is normally taken in grade 10 or 11

English Language Arts

English Language Arts 10-1

5 Credits

Prerequisite: minimum of 50% in ELA 9

Recommended: 65% in ELA 9

In ELA 10-1, students analyze and respond to literature, including extended texts (a novel/nonfiction book, a feature film and a modern or Shakespearean play) and shorter texts (poetry, short stories, visuals and multimedia, and essays) that relate to cultural and societal issues in Canadian and global contexts. They also create their own texts, e.g., fiction, nonfiction, poetry, presentations/media. This course is for students considering careers that require strong reading and communication skills and for those who may be interested in post-secondary education. For more information about English Language Arts 10-1, refer to the [program of studies](#).

English Language Arts 10-1 Honours

5 Credits

Prerequisite: minimum of 80% in ELA 9

(actual admission average depends on number of applicants)

The Honours course follows the ELA 10-1 program and offers students who have strengths in English engaging opportunities to expand their abilities. The literary texts studied, and the texts created, will challenge students in their speaking, listening, reading, writing, viewing and representing abilities.



English Language Arts 10-2

5 Credits

Prerequisite: None

In ELA 10-2, students with diverse abilities and goals study different types of texts, written at various levels, that explore issues in Canadian and global contexts. They study extended texts (a novel or nonfiction book, a feature film, and a modern or Shakespearean play) and shorter texts (poetry, short stories, visuals and multimedia, and popular nonfiction). Students are also encouraged to create their own texts, e.g., fiction, nonfiction and reports, poetry, and presentations/media. Material will often have daily life or practical applications for students. This course is designed for students considering careers that require basic reading and communication skills and for those interested in a range of post-secondary education or other opportunities. For more information about English Language Arts 10-2, refer to the [program of studies](#).

English Language Arts 20-1

5 Credits

Prerequisite: minimum of 50% in ELA 10-1

Recommended: 65% in ELA 10-1

In ELA 20-1, students analyze and respond to literature, including extended texts (a novel, a nonfiction book or feature film, and a Shakespearean play) and shorter texts (poetry, short stories, visuals and multimedia, and essays) that relate to cultural and societal issues in Canadian and global contexts. They also create their own texts, e.g., fiction, nonfiction/persuasive writing, presentations/media, scripts. This course is for students considering careers that require strong reading and communication skills and for those who may be interested in post-secondary education. For more information about English Language Arts 20-1, refer to the [program of studies](#).

English Language Arts 20-1 Honours

5 Credits

Prerequisite: minimum of 75% in ELA 10-1

(actual admission average depends on number of applicants)

The Honours course follows the ELA 20-1 program and offers students who have strengths in English engaging opportunities to expand their abilities. The literary texts studied, and the texts created will challenge students in their speaking, listening, reading, writing, viewing and representing abilities.



English Language Arts 20-2

5 Credits

Prerequisite: English Language Arts 10-1 or 10-2

In ELA 20-2, students with diverse abilities and goals study different types of texts, written at various levels, that explore issues in Canadian and global contexts. They study extended texts (a novel, a nonfiction book or feature film, and a modern or Shakespearean play) and shorter texts (poetry, short stories, visuals and multimedia, and popular nonfiction). Students are also encouraged to create their own texts, e.g., fiction, nonfiction and proposals, scripts, and presentations/media. Material will often have daily life or practical applications for students. This course is designed for students considering careers that require basic reading and communication skills and for those interested in a range of post-secondary education or other opportunities. For more information about English Language Arts 20-2, refer to the [program of studies](#).

English Language Arts 30-1 (This course has a diploma exam)

5 Credits

Prerequisite: English Language Arts 20-1

Recommended: 60% in ELA 20-1 or 65% in ELA 30-2

Students achieving under 60% in ELA 20-1 may NOT register in ELA 30-1

In ELA 30-1, students analyze and respond to literature, including extended texts (a novel or nonfiction book, a feature film or modern play, and a Shakespearean play) and shorter texts (poetry, short stories, visuals and multimedia, essays, and popular nonfiction) that relate to cultural and societal issues in Canadian and global contexts. They also create their own texts, e.g., fiction, nonfiction/persuasive writing, presentations/media. This course is for students considering careers that may require strong reading and communication skills and for those interested in post-secondary education. For more information about English Language Arts 30-1, refer to the [program of studies](#).

English Language Arts 30-2 (This course has a diploma exam)

5 Credits

Prerequisite: English Language Arts 20-1 or English Language Arts 20-2

In ELA 30-2, students with diverse abilities and goals study different types of texts, written at various levels, that explore issues in Canadian and global contexts. They study extended texts (a novel or nonfiction book, a feature film, and a modern or Shakespearean play) and shorter texts (poetry, short stories, visuals and multimedia, essays, and popular nonfiction). Students are also encouraged to create their own texts, e.g., fiction, nonfiction, presentations/media. Material will often have daily life or practical applications for students. This course is designed for students considering careers that require basic reading and communication skills and for those interested in a range of post-secondary education or other opportunities. For more information about English Language Arts 30-2, refer to the [program of studies](#).

English Language Arts 30-1 Honours (This course has a diploma exam)

5 Credits

Prerequisite: minimum of 75% in ELA 20-1

(actual admission average depends on number of applicants)

The Honours course follows the ELA 30-1 program and offers students who have strengths in English engaging opportunities to expand their abilities. The literary texts studied, and the texts created, will challenge students in their speaking, listening, reading, writing, viewing and representing abilities.

Mathematics

Math 10C

5 Credits

Prerequisite: 50% in Math 9

Students will solve problems that involve linear measurement in SI and imperial units, such as determining the surface area and volume of 3-D objects and using trigonometric ratios to solve problems involving right triangles. They will determine the greatest common factor and least common multiple of a set of numbers, using prime factors. They will also investigate the properties of irrational numbers, such as radicals; explain and apply the properties of powers with integral and rational exponents; determine the product of two or more polynomials; and express a polynomial as a product of its factors. They will analyze linear relations, solve systems of linear equations, and solve problems related to both of these sets of skills. They'll also investigate relations and functions and use function notation. For more about Mathematics 10C, refer to the [program of studies](#).

Math 10C Honours

5 credits

Prerequisite: 80% in Math 9

The honours course will proceed at a faster speed than the Math 10C course as well as include sections on concepts learned in Math 20-1 and Math 30-1. Students will solve problems that involve linear measurement in SI and imperial units, such as determining the surface area and volume of 3-D objects and using trigonometric ratios to solve problems involving right triangles. They will determine the greatest common factor and least common multiple of a set of numbers, using prime factors. They will also investigate the properties of irrational numbers, such as radicals; explain and apply the properties of powers with integral and rational exponents; determine the product of two or more polynomials; and express a polynomial as a product of its factors. They will analyze linear relations, solve systems of linear equations, and solve problems related to both of these sets of skills. They'll also investigate relations and functions and use function notation. This course follows the same [program of studies](#) for math 10C.

Math 10-3

5 Credits

Prerequisite: 40% in Math 9

Students will connect units of measurement, within and between SI and imperial systems, to the real world. They'll solve perimeter, circumference and area problems of 2-D shapes and 3-D objects, using SI and imperial units. They will use spatial reasoning to solve puzzles, use the Pythagorean theorem and primary trigonometry to solve problems involving right triangles, and use reasoning to investigate the similarity of regular and irregular polygons. They'll draw and describe acute, right, obtuse, straight, and reflex angles and will solve problems involving angles formed by parallel, perpendicular, and transversal lines. They will also use proportional reasoning to solve unit pricing and currency exchange problems, and they'll manipulate formulas to solve measurement, geometry and finance problems. For more about Mathematics 10-3, refer to the [program of studies](#).

Math 20-1

5 Credits

Recommended: 75% in Math 10C

Students will investigate arithmetic and geometric patterns, use the sine and cosine laws to solve problems involving triangles, explore the properties of radicals and investigate rational expressions to solve equations and related problems. They'll use logical reasoning to develop and prove the relationships expressed in formulas. They will analyze the characteristics of quadratic functions and absolute value functions and solve quadratic equations and systems of equations and related problems. They'll also analyze the relationship between a function and its reciprocal. For more about Mathematics 20-1, refer to the [program of studies](#).

Math 20-2

5 Credits

Recommended: 50% in Math 10C

Students will use proportional reasoning to solve problems involving scaled diagrams of 2-D shapes and 3-D objects. They'll determine relationships among scale factors, areas, surface areas and volumes of similar 2-D shapes and 3-D objects. They'll prove properties of angles and triangles, use the sine law or cosine law to solve problems involving triangles, use reasoning to analyze and prove conjectures, use spatial reasoning to solve puzzles, and solve problems involving radical expressions or equations. They will also use technology to solve normal distribution problems, use reasoning to interpret and analyze statistical data, investigate quadratic functions, and solve problems involving quadratic equations, and research and present a mathematical topic of their choice. For more about Mathematics 20-2, refer to the [program of studies](#).

Math 20-3

5 Credits

Recommended: 50% in Math 10-3

Students will solve surface area, volume and capacity problems using SI and imperial units. They'll use primary trigonometry to solve problems involving two and three right triangles; demonstrate an understanding of scale by modelling and drawing 3-D objects and their views; and draw and describe exploded views, component parts and scale diagrams of simple 3-D objects. They will also use numerical reasoning to solve puzzles, solve simple and compound interest problems, and analyze personal budgets by comparing income and expenses involving banking fees, credit cards and loans. They'll manipulate formulas to solve measurement, finance, slope, and rate-of-change problems; use proportional reasoning and unit analysis to solve problems; and create and interpret a variety of graphs. For more about Mathematics 20-3, refer to the [program of studies](#).

Math 30-1 (This course has a diploma exam)

5 Credits

Recommended: 60% in Math 20-1

Students will analyze functions by applying transformations to the graph of a given function. They will analyze the characteristics of trigonometric functions, solve trigonometric equations algebraically and graphically, and prove trigonometric identities. Students will also analyze the properties of polynomial functions, investigate the properties of logarithms, and analyze exponential and logarithmic functions. They'll use basic counting principles to determine the number of permutations or combinations of the elements of a set and expand binomials by using the binomial theorem. For more about Mathematics 30-1, refer to the [program of studies](#).

Math 30-2 (This course has a diploma exam)

5 Credits

Recommended: 50% in Math 20-1 or 60% in Math 20-2

Students will use numerical and logical reasoning to solve puzzles; solve probability problems about the chance of two or more events occurring; and solve problems based on counting sets, using techniques like the fundamental counting principle, permutations, and combinations. They'll perform operations on rational expressions, solve problems algebraically through rational equations, and investigate the laws of logarithms and exponential, logarithmic, polynomial, and sinusoidal functions. They'll also research and present a mathematical topic of their choice. For more about Mathematics 30-2, refer to the [program of studies](#).



Math 30-3 (This course does not have a diploma exam)

5 Credits

Recommended: 50% in Math 20-3

Students will demonstrate and explain the limitations of measuring instruments; use the sine law and cosine law to solve problems involving triangles; describe and illustrate properties of polygons as they are applied in real life; and demonstrate and explain slides, rotations, flips and size changes of 2-D shapes or 3-D objects. Students will also use logical reasoning to solve puzzles; solve problems involving the purchase or lease of a vehicle; explore the finance of small businesses by investigating expenses, sales and profit or loss; and investigate linear relations and related problems. They'll solve problems involving probability and others related to mean, median and mode. For more about Mathematics 30-3, refer to the [program of studies](#).

Math 31

5 Credits

Prerequisite or Co requisite: Math 30-1 (Recommended 65%)

Students will determine the limit of a function at finite or infinite values of the independent variable; explain how the derivative of a function may be determined as a limit; use derivative theorems to determine the derivative of a function, either explicitly or implicitly; sketch the graph of a function, using the first and second derivatives; and solve optimization problems using the derivatives. They'll explain the relationship between differentiation and integration and find the antiderivatives of simple functions. Students will use the definite integral to determine the area under a curve or the area between curves over a given domain. They may also explore the applications of calculus in the physical sciences, engineering, biological sciences, and economics. For more information about Mathematics 31, refer to the [program of studies](#).

Physical and Life Sciences

Science 10

5 Credits

Prerequisite: 50% in Science 9

What happened to that energy? Science 10 students are introduced to the biological, chemical, physical and Earth sciences. By studying chemical reactions, cellular and multicellular processes that occur in plants, the conservation and conversion of energy, and Earth's climate, they discover how energy is transformed. For more information, refer to the [program of studies](#).

Science 14

5 Credits

Prerequisite: 40% in Science 9

How can we conserve energy? Science 14 students learn about the atom, the periodic table, and the safe handling of chemicals. They investigate how energy is transferred in machines, and they examine the digestive and circulatory systems, including ways to keep these systems healthy. Students also explore how human activities influence the flow of matter and energy in the biosphere. For more information, refer to the [program of studies](#).

Science 20

5 credits

Pre/Corequisite: Science 10

What changes do we see on Earth? Students in Science 20 extend their study of the biological, chemical, physical and Earth sciences and apply their knowledge to real-life problems. They investigate Newton's laws of motion, the properties of hydrocarbons and the chemistry of solutions. They examine evidence of how Earth's surface, climate and life forms have changed and continue to change and cycle in response to natural and human actions. For more information, refer to the [program of studies](#).

Science 24

5 Credits

Prerequisite: 50% in Science 14

Science 24 students investigate common chemical reactions and examine energy conversions in biological, chemical, physical, and technological systems. They learn about human health and the immune system. They also investigate the principles that describe the motion of objects and apply their knowledge to real-life situations. For more information, refer to the [program of studies](#).

Science 30

5 credits

Pre/Corequisite: Science 20/Biology 20/Physics 20/Chemistry 20

How do we sustain our energy resources? Students sharpen their scientific skills and explore a wide range of scientific concepts to strengthen their foundations in science. They investigate human systems and health, and environmentally sustainable solutions for meeting global energy needs. They also examine the impacts of chemicals in society and the environment and examine the properties and applications of electromagnetic energy. For more information, refer to the [program of studies](#).

Biology 20

5 Credits

Prerequisite: 60% required in Science 10

How and why does energy flow through living systems? Biology 20 students examine the interactions of living systems to better understand the constant flow of energy and the cycling of matter. Specifically, students explore the functioning of the human body and the mechanisms that work to maintain balance in organisms in ecosystems and in the biosphere. For more information, refer to the [program of studies](#).



Biology 30 (This course has a diploma exam)

5 Credits

Prerequisite: Biology 20 (minimum of 60% recommended)

Why is there so much diversity? Biology 30 students conduct lab work and investigate how human systems sense and respond to the environment. They explore human reproduction and development at the cellular level and at the organism level. Students investigate the basic structure and role of DNA and investigate the inheritance of traits in individuals and populations. They analyze the changes in populations resulting from natural and human-induced changes in the environment and discover that living systems are dynamic. For more information, refer to the [program of studies](#).

Chemistry 20

5 Credits

Prerequisite: Science 10 (minimum 65% recommended); Math 10C (minimum 70% recommended)

How do atoms combine to create matter? Students explore matter and how it changes in order to understand the natural world. They investigate the chemical properties of solutions, and they apply their understanding of chemical bonds to explain ionic and molecular compounds. Chemistry 20 students explain the behaviour of gases, using the gas laws, and also work to balance chemical equations. For more information, refer to the [program of studies](#).

Chemistry 30 (This course has a diploma exam)

5 Credits

Prerequisite: Chemistry 20

How can you predict chemical equilibrium? Chemistry 30 students examine and quantify how thermochemical and electrochemical systems use or provide energy. They explore common organic compounds—those that contain carbon—and how they are used in technological applications and everyday life. Students also investigate acid-base reactions and interpret how they eventually reach equilibrium. For more information, refer to the [program of studies](#).

Physics 20

5 Credits

Prerequisite: Science 10 (minimum 70% recommended) and Math 10C (minimum 70% recommended)

Physics 20 students investigate the motion of objects. They apply Newton's law of universal gravitation to astronomical observations. They also describe how energy is transmitted by mechanical waves and how waves relate to medical technologies, industry, and musical instruments. For more information, refer to the [program of studies](#).

Physics 30 (This course has a diploma exam)

5 Credits

Prerequisite: Physics 20

When does a model or a theory need to change? Physics 30 students consider historical experiments and explore why the model of the atom has changed as a result of experiments and observations of natural phenomena. Students apply a quantitative approach to describe conservation of momentum in an isolated system, and they investigate applications and implications of electric and magnetic forces and fields. They also use the concept of wave-particle duality to understand both wave and photon behaviour of electromagnetic radiations. For more information, refer to the [program of studies](#).

Social Studies

Social Studies 10-1

5 Credits

Prerequisite: 50% in Social 9

Social Studies 10-1 students explore the changing meaning of identity and citizenship in a globalizing world, while also understanding the impacts of globalization, both positive and negative, on people worldwide. For more information, refer to the [program of studies](#).

Social Studies 10-2

5 Credits

Prerequisite: 50% in Social 9

Social Studies 10-2 students explore the history and effects of globalization. They develop an understanding of the impact that globalization has on people's identity and citizenship, while addressing emerging issues that globalization presents. For more information, refer to the [program of studies](#).

Social Studies 20-1

5 Credits

Prerequisite: 50 % in Social Studies 10-1

Social Studies 20-1 students look at the origins and effects of nationalism and weigh its benefits and limitations. They examine issues related to nationalism and consider impacts on individuals, international relations, and citizenship. For more information, refer to the [program of studies](#).

Social Studies 20-2

5 credits

Prerequisite: 50% in Social 10-1 or 2

In Social Studies 20-2, students examine the origins and effects of nationalism from various perspectives, developing an understanding of the impact of nationalism on individuals, international relations and citizenship in Canada. For more information, refer to the [program of studies](#).

Social Studies 30-1 (This course has a diploma exam)

5 Credits

Prerequisite: 50% in Social Studies 20-1

Social Studies 30-1 students examine multiple perspectives on various ideologies and on the influence of these ideologies, focusing particularly on liberalism. They develop an understanding of how ideologies can shape us and our world. For more information, refer to the [program of studies](#).

Social Studies 30-2 (This course has a diploma exam)

5 Credits

Prerequisite: 50% in Social 20-1 or Social 20-2

Social Studies 30-2 students will examine multiple perspectives on various ideologies, focusing on liberalism. They will develop an understanding of how ideologies can shape us and our world. For more information, refer to the [program of studies](#).

HIGH SCHOOL ELECTIVES

Computers, Digital Media, Photography and Robotics

Digital Media 10/20/30

3 credits

Fee: \$57

This course concentrates on the field of graphic design and media in digital formats. Using the Adobe Creative Cloud, students will have the opportunity to create a comprehensive digital portfolio including digital art, animation, film, and 3D modelling.

Enterprise & Innovation: Digital Focus

3 Credits

Prerequisite: None

Fee: \$57

Students will recognize and create venture opportunities within their environment, using digital tools to start, and assess and market a new business venture. Students will begin by creating a marketable concept/product and develop a PitchDeck to support their idea. The student will then continue to work on product development and innovation to take their idea to a real-world market.



Photography 10

3 Credits

Co requisite: COM 1005 Visual Composition

Fee: \$50

This course is an introduction to the world of photography. Students learn how to operate an SLR or a digital camera and how to create specific photographic effects by adjusting shutter speed settings and aperture values. Students will also learn the elements of composition and learn to recognize these elements within others' photographs as well as their own. The course consists of three one-credit modules packaged into one cohesive course. Each student is expected to provide their own digital camera or phone camera to use throughout the course.

1 Credit Modules:

COM 1205 Photography Intro

COM 1215 Photography Exposure

COM 1275 Photography - Digital Processing

Photography 20

3 Credits

Prerequisite: Photography 10

Fee: \$50

This course takes students from the black and white photography of Photo 10 and into the vivid world of color and the great outdoors. The first module of the course expands student skills in photo editing and manipulation. These skills will serve students well as they explore the complexities of color photography. Finally, students research, plan for, and capture incredible outdoor photographs using the collective knowledge that they have gained in the photography program. Each student is expected to provide their own digital camera or phone camera to use throughout the course.

1 Credit Modules:

COM 2205 Photography - Composition

COM 2215 Photography - Communication

COM 2235 Photography - Lenses

Photography 30

3 Credits

Prerequisite: Photography 20

Fee: \$50

In Photography 30, students can choose one of 2 pathways that aligns with their interests. Students can pursue photographic communication (magazine covers, posters, etc.) or studio lighting. Each pathway ends with a special project module for students to exercise their creativity and to channel their passion for photography. Each student is expected to provide their own digital camera or phone camera to use throughout the course.

1 Credit Modules:

COM 3205 Photography - Lighting

COM 3215 Photography - Photojournalism

COM 3225 Photography - Colour

COM 3245 Photography - Outdoor

Robotics

3 Credits

Prerequisite: none

Fee: \$65

An introduction to the basics of robotics including soldering, electrical circuits, and electromagnetism. Students complete a number of projects including building a robot as a team.

Construction Technologies

3 Credits (per semester)

Fee: \$110

There is nothing like building something with your own hands. The material we will be constructing with is wood, one of God's marvelous inventions. Students will be introduced to many man-made inventions as well – both hand and power tools that will allow students to measure, cut, shape and assemble a variety of beautiful projects. This three-credit course will begin with an Introduction to Basic Tools and Materials (CON1010), through the building of a multi-wood cutting board. The next challenge is Project Management (CON1120) as students design and create a table suitable for a bedroom or living room.. This project will be finished with a solid wood top that may have some epoxy accents created in Solid Stock Construction (CON1130). There will be a healthy emphasis on personal safety. Each student will receive their own set of safety glasses as well as given access to the online HCS 3000 safety course which will both earn them an additional credit and the prerequisite required for entrance into the Work Experience program.

Note: No previous experience is needed, so don't be afraid to come into our woodworking lab and start building! The second and third levels focus on various aspects of cabinet making, wood turning, additional furniture-making, tool maintenance, and finishing operations as time, space and interest permit.

Course Fee: for building materials

Examples of modules that students may progress through in this course may include some of the following:

CON1140 – Turning Operations (pen and bowl turning)

CON1160 – Manufactured Materials (skateboard deck)

CON2120 – Multiple Materials

CON2130 – Furniture Making I (Box Construction)

CON2150 – Finishing & Refinishing

CON2170 – Cabinet Making II (Door and Drawer)

CON3120 – Tool Maintenance

CON3130 – Furniture Making III (Leg and Rail)

CON3140 – Furniture Making IV (Surface Enhancement – Tile Inlay)

CON3160 – Cabinet Making III (Cabinets/Countertops)

Fine Arts

Art 10

3 credits

Prerequisite: None

The secondary art program for Grades 10 - 12 is a unified sequential course.

Art 10 is designed to build basic skills, as well as to teach students how to express themselves effectively. Students will explore various topics, such as self-expression, social justice, spirituality, environmentalism and culture. Although basic skills are taught in this course, the emphasis is on unlocking the creativity and expression that is in all of us. Students will be required to create art through drawing, painting and sculpture, but will also be given the opportunity to explore other mediums, such as digital art, 3D design and photography.

Please note that a student cannot get credit for both Art 10 and Digital Art 10. However, a student who has credit for Art 10 could enroll in Digital Art 20.

Course Fee: \$77 + *Students will be given a list of materials to purchase.*

Art 20

3 credits

Prerequisite: Art 10

This course is a continuation of the skills developed in Art 10. Students will explore various topics, such as self-expression, social justice, spirituality, environmentalism and culture. Although basic skills will be built upon, the emphasis is on unlocking the creativity and expression that is in all of us. Students will be required to create art through drawing, painting and sculpture, but will also be given the opportunity to explore other mediums, such as digital art, 3D design and photography.

Please note that a student cannot get credit for both Art 20 and Digital Art 20. However, a student who has credit for Art 20 is permitted to enroll in Digital Art 30.

Course Fee: Course Fee: \$77 + *Students will be given a list of materials to purchase. Also, some materials may be re-used from Art 10 (ie. sketchbook, ruler, etc.)*

Art 30

5 credits

Prerequisite: Art 20

This course is a continuation of the skills developed in Art 20. Students will explore various topics, such as self-expression, social justice, spirituality, environmentalism and culture. Although the skills developed in Art 20 continue to be built upon, the emphasis is on unlocking the creativity and expression that is in all of us. Students will be required to create art through drawing, painting and sculpture, but will also be given the opportunity to explore other mediums, such as digital art, 3D design and photography. Students will be instructed on creating a portfolio for University submission. As this is a 5-credit course, students who take this class over only 1 block must complete the other half of the work outside of the course. Please note that a student cannot get credit for both Art 30 and Digital Art 30.

Course Fee: Course Fee: \$77 + *Students will be given a list of materials to purchase. Also, some materials may be re-used from Art 10 (ie. sketchbook, ruler, etc.)*

Choral Music 10/20/30 (Choir)

5 credit, full year course

Fee: \$30

This course is open to all students who have a desire to learn about Choral Music. There is no prerequisite, but previous musical knowledge (piano lessons, singing in church, singing in choir) is helpful. Topics that will be covered in class are as follows: reading melody, harmony, rhythm, singing in different languages, singing in a variety of musical styles and genre, singing in 4-part harmony, and any other issues related to choral music.

Course fee: Sheet Music and/or masterclasses

This class is scheduled every Monday morning from 7:00AM – 8:40AM, and Tuesday and Thursday from 3:30-4:15. Participation in all choral performances, concerts and festivals is a regular and compulsory part of this course, and may include a tour with the High School Concert Band.

Film & Media Art 10/20/30

5 credits

Prerequisite: none

Fee: \$16

Film & Media Art 10/20/30 will engage students in a comprehensive analysis of the history and evolution of the technical and artistic aspects of filmmaking. The course is designed for students who wish to develop an advanced understanding of filmmaking, to enhance their critical appreciation of films and for those considering post-secondary studies or a career in the industry. The course is designed to increase students' understanding of film as a distinct form of art, technology, and visual media.

Senior Concert Band – Instrumental Music 10/20/30

5 credit full year course

Prerequisite: Band 9/10/20 or by approval of the Music Director

Fee: \$50

*This course is offered outside the regular timetable.

This course is a continuation of Band 9, Band 10, and Band 20 respectively, further developing musical skills and knowledge. Students are required to continue with the same instrument on which they completed Band 9, or they must display adequate competence on their chosen instrument. Performance opportunities in Senior Jazz Band, small ensembles and solo settings will be available and encouraged. Available instruments of study include: flute, oboe, bassoon, clarinet, bass clarinet, alto saxophone, tenor saxophone, baritone saxophone, trumpet, French horn, trombone, euphonium, tuba, string bass and percussion.

Course Fee: New Music and other resources

This class is scheduled every Tuesday and Thursday morning from 7:00AM – 8:40AM. Participation in all band sectionals, performances, concerts and festivals in addition to class time is a regular and compulsory part of this course. All pertinent dates will be emailed out throughout the year.

Senior Jazz Band – Instrumental Jazz Ensemble 15/25/35

5 credit full year course

Prerequisite – Entrance by Audition/Approval of Music Director

Co-Requisite - Senior Concert Band

Fee: \$40

*This course is offered outside the regular timetable.

This course is available to the following instruments: Alto Saxophone, Tenor Saxophone, Baritone Saxophone, Trumpet, Trombone, Piano, Electric/Acoustic Bass, Drums and Electric Guitar. Other instruments accepted by consent of the Band Department. The focus of this course is the study of music performance through the jazz idiom and its various styles, as well as the development of jazz improvisation in a large jazz ensemble setting. New students will pre-register in the Spring for conditional acceptance. Final acceptance will occur after an audition in September.

This class is scheduled two mornings a week, on Wednesday and Friday mornings, from 7:00AM – 8:40AM. Participation in all band performances, concerts and festivals is a regular and compulsory part of this course. All pertinent dates will be emailed out throughout the year.

Food Studies

Food Studies 10

3 Credits

Prerequisite: None

Fee: \$100

The Foods Program begins an adventure into one aspect of God's incredible provision for us – FOOD! Students will taste gourmet delights they prepare while learning the basics of successful cooking and the benefits of healthy food choices. As they gain confidence in their cooking, they can share their results with family and friends. Knowledge gained here can enhance daily living skills and may open doors to career opportunities. The course contains a combination of lab work and academic work.

Modules covered in the course are as follows:

FOD 1010: Food Basics

FOD 1020: Baking Basics FOD 1040: Meal Planning I

FOD 1030: Snacks and Appetizers

FOD 1050: Fast and Convenience Foods

FOD 1060: Canadian Heritage

Foods Course Fee: for materials and lab costs

Food Studies 20/30

3 Credits

Prerequisite: Food Studies 10/20

Course Fee: \$100

French

The French program strives to help students develop an understanding of the contemporary values and culture of French-speaking people. The program also assists students to achieve competence in the four basic language skills: listening, speaking, reading, and writing.

French 10

5 Credits

Prerequisite: French 9

This French course takes students from a beginning level French to an intermediate Level French. It continues to develop speaking and listening skills alongside those of writing and reading. Pronunciation and syntax/grammar will also continue to be developed.

French 20

5 Credits

Prerequisite: French 10

This intermediate level French course builds on an acquired proficiency with French and extends this through exposure to a wider range of vocabulary and language structures. Oral and written communication skills are strengthened, and cultural awareness is deepened.

French 30

5 Credits

Prerequisite: French 20

The second intermediate level French course increases oral and written accuracy through structured exercises and compositions. It provides students with University entrance in French.



Off Campus Education

Work Experience 15/25/35

3-15 Credits

Prerequisites: HCS 3000 online safety course

Work Experience 15,25,and 35 are three separate courses developed to provide opportunities for high school students to apply their knowledge, skills and attitudes in the workplace. These courses also provide opportunities for the school and community to combine resources to further students' career development and build their employability skills. Through work experience, students may discover their occupational interests and aptitudes in meaningful work-integrated learning activities.

Registered Apprenticeship Program

3-15 Credits

Prerequisites: HCS 3000 and HCS 3010 online safety courses

The Registered Apprenticeship Program (RAP) provides senior high school students with the opportunity to earn credits in high school and gain on-the-job training in a skilled trade like cooking, heavy equipment tech, carpentry that can be applied towards an apprenticeship. Students, schools and employers jointly agree to a suitable schedule that will appropriately divide the students' time between an approved work site and their school. The expectation is that the student will apply for their 'blue book' and be registered with Alberta Apprenticeship Training (AIT).

Green Certificate Program

5-16 Credits

Prerequisites: AGR 3000 online safety courses

The Green Certificate Program is a joint endeavor between Alberta Education and Alberta Agriculture and Forestry. The apprenticeship-style delivery of Green Certificate courses ensures that a participant learns by actively performing the skill required. Fields of study including dairy, sheep, and equine are pursued by the student (trainee) who learns under the direction of an experienced farm individual (trainer) to master the outcomes laid out in the specialization. Students register for a 'walk-about' tests, usually at Lakeland College to demonstrate their knowledge. This is a challenging course and requires a lot of initiative on the student's part.

Sports and Fitness

Personal Fitness 15/25/35

3 Credits / level

Prerequisite: None

Fee: \$65 (includes field trips)

The purpose of Personal Fitness is to provide student athletes an opportunity to learn a wide variety of knowledge, skills and attitudes that will help improve their physical, mental and social skills in sports. Through the combination of theory and practical exposure to areas of sport, students will learn about sport development through the study of: 1.) training principles 2) performance enhancement 3) sports injuries 4) sports studies 5) personal development.

Physical Education 10 (Graduation Requirement)

3 Credits

Prerequisite: None

The aim of Physical Education 10 is to enable individuals to develop the knowledge, skills and attitudes necessary to lead an active, healthy lifestyle. Strong evidence exists that involvement in physical activity contributes to the overall well-being of individuals. Students will meet the aim of the program if they have developed a desire to participate regularly in physical activity. The aim can only be achieved by addressing the prescribed outcomes within an environment wherein students are emotionally and physically safe, the climate is positive, and a variety of developmentally appropriate, skill-building experiences are provided. The program is based on four general outcomes that are interrelated and interdependent. The ABCD's of PE are: Activity, Benefits to health, Cooperation and Do it daily for life.

NOTE: PE dress code required

Course Fee: for supplies

Physical Education 20/30

3 or 5 credits / level

Prerequisite: Physical Education 10

Fees: \$100 for 3 Credit, \$160 for 5 Credit

The aim of Physical Education 20/30 is to enable individuals to develop the knowledge, skills and attitudes necessary to lead an active, healthy lifestyle. Strong evidence exists that involvement in physical activity contributes to the overall well-being of individuals. Students will meet the aim of the program if they have developed a desire to participate regularly in physical activity. The aim can only be achieved by addressing the prescribed outcomes within an environment wherein students are emotionally and physically safe, the climate is positive, and a variety of developmentally appropriate, skill-building experiences are provided. The program is based on four general outcomes that are interrelated and interdependent. The ABCD's of PE are: Activity, Benefits to health, Cooperation and Do it daily for life.

NOTE: PE dress code required, other equipment may be required, ex. hockey helmet, skates, hockey stick.

Course Fee for off campus activities

Sports Performance 15/25/35

3 Credits / level

Prerequisite: None

Fees: \$90 (includes field trip fees)

Sports Performance focuses on developing elite athletes for the mental and physical demands of their sport or activity. The primary focus of this class is to develop sport specific, athletic development plans, which the students use during their time in the SCA Fitness Centre. Students will be assessed using the Functional Movement Screen in order to help design training plans that fit the needs of each individual student. Students learn about the Long-Term Athletic Development model and examine how anatomy and physiology have a role to play in skill development. Students will also examine and assess the impact mental fitness has on sports performance through a variety of Sport Psychology credits.

Sports Medicine

3 Credits / level

Prerequisite: None

(Students selecting this course in the 24-25 school year will all complete the 10 level).

Fees: \$100

This exciting program provides learning opportunities for students with an interest in the prevention, immediate care, rehabilitation exercises, assessments for injury prevention and return to play plus more. Our class learns through classroom-based theory, hands on opportunities, and access to the Fitness Room.

Sports Medicine students will expand their theory and practical knowledge at each level with the potential of taking Sports Medicine at the 20 and 30 levels.

This course offers an introduction to students who are interested in career pathways in body and sports sciences, including:

- Physiotherapy, Athletic Therapy, Kinesiology Physical Education
- Occupational Therapy, Chiropractic, Nursing, Paramedic (EMT/EMR)
- Fire Fighting, Coach/Athlete, Medicine, Personal Trainer

Sports Medicine students will also earn the following certifications:

Alberta Athletic Injury Management Certificate (Sports Medicine Council of Alberta)

NCCP Making Headway in Sport Concussion Certificate

Theatre Arts

Musical Theatre 15/25/35

5 Credits / level

Prerequisite: Audition

Fee: \$80

These courses require participation in the spring musical performance. The musical theatre program aims to provide an interactive environment of integrated study in dance, drama, technical theatre and vocal music for students who seek the challenge of working through the creative process to performance. It is expected that competencies in all the above disciplines will become developed to the point where the individual feels confident in sharing their work with others through project work and/or performance both as a performer and informed critical viewer. Students need to understand the historical, cultural, and social aspects of both the musical theatre genre and selections chosen whether as individual selections or as the entire score of a show. Additionally, the course will foster an appreciation for the form and a professional attitude to performance preparing students for post-secondary and life-long theater experiences, both amateur and professional, in the role of performer as well as in the enjoyment of audience members. Students will also endeavor to extend learning to other situations and career choices. Course Fee: for production cost

Technical Theatre

3 credits

Fee: \$40

This course corresponds with Musical Theatre and is an option for those who may want to work with the Musical Theatre Director to help build the stage set or work with sound and lighting.

Other Elective High School Courses

General Psychology

3 Credits

Prerequisite: None

Psychology is the study of the mind and behaviour. This course introduces the field of psychology and provides a foundation for post-secondary studies in psychology. Topics include learning, frustration, conflict, emotional problems, behaviour disorders, and careers in psychology. Instruction includes teacher-led and student-led lessons, guest speakers, research projects and psychology related films.

General Psychology does not fulfill the High School diploma requirement for a 20 level Science.

Personal Psychology

3 Credits

Prerequisite: None

Get a glimpse into the human brain. In this course, you'll be introduced to the science of the brain as you study various branches of psychology, personality development, and perception. You also learn about general psychology concepts, including personality, behaviour, and intelligence. This class specializes in personal development and has activities that require a level of self-awareness. Priority will be given to Grade 11 and Grade 12 students.

General Psychology does not fulfill the High School diploma requirement for a 20 level Science.

Reading 15/25

3 Credits

Prerequisite: None

In Reading 15 and 25, students will study a wide range of texts and reading strategies required to be successful in their senior high courses. The goal of these courses is to help students develop an increased vocabulary in English and a wider range of reading strategies and skills.