Individualized Pathway Plan (IPP) Smithville Christian High School:

To plan your course selection for each year, use this chart. The compulsory courses are preprinted and the blank boxes are for your elective choices. Your guidance counsellor will present your course selection annually and will help you in your choices. By using this chart, you can be assured that you will meet the diploma requirements for the OSSD and the Smithville Christian High School diploma.

Grade 9:	Grade 10:	Grade 11:	Grade 12:
English	English	English	English
Math	Math	Math	Capstone*
Science	Science	Bible*	
Cdn.Geography	Cdn. History	Explorations in Stewardship*	
P.E./Bible*	P.E./Bible*		
French	Civics/Careers		
Exploring Technologies*			
Integrated Arts*			

*compulsory at Smithville Christian High School and fulfill OSSD requirement.

Plus one credit from each of the following groups:

Group 1: additional credit in English, or French as a second language,** or a Native language, or a classical or an international language, or social sciences and the humanities **(IDC4Uor IDC4O Capstone)**, or Canadian and world studies, or guidance and career education, or cooperative education***

Group 2: additional credit (group 2): additional credit in health and physical education, or the arts, or business studies **(IDC3O Explorations in Stewardship),** or French as a second language,** or cooperative education***

Group 3: additional credit (group 3): additional credit in science (Grade 11 or 12), or technological education **(TIJ1O Exploring Technologies**), or French as a second language,** or computer studies, or cooperative education***

Two additional diploma requirements for the OSSD are **40 hours of community involvement**, and **successful completion of a high school literacy test**.

Please remember that although courses may not be compulsory, they may be required for college and university entrance. Each student's Individual Pathway Plan will reflect his/her own post-secondary goals. Smithville Christian provides parents and students www.myblueprint.ca as a resource in planning for both high school and life after high school. Course selection in grades 10, 11, & 12 is done via MyBlueprint. All students receive their access code at enrolment. Please come to Student Services if you need additional help to get started!

THE ARTS
The arts allow for students to employ their creativity to worship God. These courses are designed to cultivate and develop our God-given talents and abilities for glorifying God. Through participation in this program it is desired that we will each develop a greater appreciation and understanding of music and visual arts as we use it to glorify and worship our Creator and Saviour.

Integrated Arts, Grade 9, Open (ALC1O)
This course integrates two or more of the arts (dance, drama, media arts, music, and visual arts), giving students the opportunity to produce and present integrated art works created individually or collaboratively. Students will demonstrate innovation as they learn and apply concepts, styles, and conventions unique to the various arts and acquire skills that are transferable beyond the classroom. Students will use the creative process and responsible practices to explore solutions to integrated arts challenges. **Prerequisite:** None

Dramatic Arts, Grade 10, Open (ADA2O)
This course requires students to actively explore dramatic forms and techniques, using their own ideas and concerns as well as sources selected from a wide range of authors, genres, and cultures. Student learning will include identifying and using the principles of space, time, voice, and movement in creating, sustaining, and communicating authentic roles within a drama. Students will assume responsibility for decisions made in the creation and presentation of the drama, and will analyze and reflect on the experience. *Prerequisite*: None

Drama, Grade 11, University/College Preparation (ADA3M)
This course requires students to create and perform in dramatic presentations. Students will analyze, interpret, and perform dramatic works from various cultures and time periods. Students will research various acting styles and conventions that could be used in their presentations, and analyze the functions of playwrights, directors, actors, designers, technicians, and audiences. Prerequisite: Drama, Grade 9 or 10, Open

Drama, Grade 12, University/College Preparation (ADA4M)
This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other texts and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyse how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school. *Prerequisite*: Drama, Grade 11, University/College preparation

Music, Grade 10, Open (AMU2O)
This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures. **Prerequisite:** None

Music, Grade 11, University/College Preparation (AMU3M)
This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analyzing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers. *Prerequisite:* Music, Grade 9 or 10, Open

Music, Grade 12, University/College Preparation (AMU4M)
This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will

analyze how to apply skills developed in music to their life and careers. *Prerequisite:* Music, Grade 11, University/College preparation

Visual Arts, Grade 10, Open (AVI2O)
This course emphasizes learning through practice; building on what students know; and introducing them to new ideas, materials, and processes for artistic thinking and experimentation. Student learning will include the refined application of the elements and principles of design, incorporating the creative and design processes, and the relationship between form and content. Students will also learn about the connections between works of art and their historical contexts. Course objectives may be achieved either through a comprehensive program or through a program focused on a particular art form (e.g., drawing, painting). *Prerequisite*: None

Visual Arts, Grade 11, University/College Preparation (AVI3M)
This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g. photography, video, computer graphics, information design). *Prerequisite*: Visual Arts, Grade 9 or 10, Open

Visual Arts, Grade 12, University/College (AVI4M)
This course focuses on the refinement of students' skills and knowledge in visual arts. Students will analyze art forms; use theories of art in analyzing and producing art; and increase their understanding of stylistic changes in modern and contemporary Western art, Canadian (including Native Canadian) art, and art forms from various parts of the world. Students will produce a body of work demonstrating a personal approach. *Prerequisite*: Grade 11 Visual Arts, University/College Preparation or Open

BIBLE

Biblical study at Smithville Christian High is academic in nature and confessional in intent. The program emphasizes the most foundational and important truths necessary for the life-long journey of Scripture-based faith. Biblical faith is studied within the context of "creation-fall-redemption" and students will develop a deeper understanding of the themes of covenant, kingdom, church, law, and salvation.

Bible, Grade 9, Open (HRE13A)

The concept of redemptive history is introduced and developed through the study of the Pentateuch in its historical setting. It continues with the study of Israel's entry into the Promised Land and life during the period of the Judges and the early monarchy. This course is continued in grade 10 for a full credit.

Bible, Grade 10, Open (HRE13B)

This course completes the work begun in HRE13A. The course begins by looking at wisdom literature and the Psalms, while continuing to study major themes such as redemptive history. The rise and fall of Israel amid the cultural and political influences are taught. Students examine the message of the prophets, what it meant for Israel and what it means for contemporary Christians.

Bible, Grade 11, Open (HRE23)

The study of the New Testament begins with an examination of the political, social, and religious developments of the inter-testamentary time period. The gospels, particularly Matthew, are studied in the context of first century Judaism. The study of Acts, Thessalonians, Galatians, Corinthians, and James show the struggles of the early church. The course is completed with an introduction to Revelation. Our role as Christians in the kingdom of God will be emphasized.

BUSINESS STUDIES

The business studies program focuses on the study of business theory and practice and encourages a positive response to God's gifts. Students will learn the skills and attitudes necessary to engage in prospective business activity with confidence, competence and an understanding of Christian principles. The program enables students to have a foundation in how business operates, its role in society, the opportunities for service that it generates, the skills it requires, and the potential impact that it can have on society.

Business: Explorations in Stewardship, Interdisciplinary Studies, Grade 11, Open (IDC3O)

This course combines the expectations for the Interdisciplinary Studies, Grade 11, Open with selected expectations from the following Business courses: BBI2O, Introduction to Business; BTA3O Information and Communication Technology, and BAF3M, Financial Accounting Fundamentals.
Based on the theme of stewardship, this course provides students with the ability to manage money, talents, and time in ways that build habits of Christian discipleship. Students will build on and interconnect, in innovative ways, concepts and skills from accounting, business, and information and communication technologies. Students will learn and apply Interdisciplinary skills and knowledge to contexts, real-world tasks, and on-the-job situations in ways that will help them to develop rich understanding of existing and potential personal and career opportunities. Students will learn to use Biblically- and business-based methods of analyzing and evaluating complex scenarios and decisions, and will use these interdisciplinary activities to stimulate, monitor, regulate, and evaluate their thinking process, and thus learn how to learn.
Prerequisite: *none*

Information and Communication Technology: The Digital Environment, Grade 11, Open (BTA3O)

This course prepares students for the digital environment. Using a hands-on approach, students will further develop information and communication technology skills using common business software applications. The concept and operation of e-business will be explored, and students will design and create an e-business website. The skills developed in this course will prepare students for success in the workplace and/or postsecondary studies. *Prerequisite*: None
Note: This course will be offered with ICS3U as space allows. Students are advised to select BTA3O or IDC3U not both.

CANADIAN AND WORLD STUDIES

This program offers students the opportunity to evaluate human responses to God's call for justice and stewardship in local and global settings in both the past and present. Their learning in the various courses in this program will contribute significantly to students' understanding of Canada's heritage and its physical, social, cultural, governmental, legal, and economic structures and relationships. It will also help them to perceive Canada in a global context and to understand its evolving role in the world community.

Civics, Grade 10, Open (CHV2O)

This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy in local, national, and global contexts, about political reactions to social change, and about political decision-making processes in Canada. They will explore their own and others' ideas about civics questions and learn how to think critically about public issues and react responsibly to them. *Prerequisite*: None

GEOGRAPHY

The Geography program helps students to understand the distribution of physical, biological and human phenomena on the earth; their causes, inter-relationships and effects. The Geography program helps students to analyze and evaluate human response to God's call for justice and stewardship in both local and global settings.

Geography of Canada, Grade 9, Academic (CGC1D)

This course explores Canada's distinct and changing character and the geographic systems and relationships that shape it. Students will investigate the interactions of natural and human systems within Canada, as well as Canada's economic, cultural, and environmental connections to other countries. Students will use a variety of geo-technologies and inquiry and communication methods to analyze and evaluate geographic issues and present their findings. *Prerequisite*: None

Geography of Canada, Grade 9, Applied (CGC1P)

This course focuses on geographic issues that affect Canadians today. Students will draw on personal and everyday experiences as they learn about Canada's distinct and changing character and the natural and human systems and global influences that shape the country. Students will use a variety of geo-technologies and inquiry and communication methods to examine practical geographic questions and communicate their findings. *Prerequisite*: None

World Geography: Human Patterns and Interactions, Grade 12, University (CGU4U)

This course examines how humans interact with their natural environments and with each other. Students will study the influence of spatial, political, economic, and social factors on settlement patterns, human migration, cultural change, globalization, and environmental trends. Students will use geo-technologies and skills of geographic inquiry and analysis to extend their knowledge of human geography and to identify and explain current trends and patterns, and predict future ones. Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities.

HISTORY

The history program helps students to understand past and present cultures and their contribution to the current state of affairs in the world. Students will learn about human responsibility for cultural formation and make a commitment to share in that task in a Christian manner. The history program helps students explore avenues of service in which students can respond to human and environmental injustice.

Canadian History Since World War I, Grade 10, Academic (CHC2D)

This course explores the local, national, and global forces that have shaped Canada's national identity from World War I to the present. Students will investigate the challenges presented by economic, social, and technological changes and explore the contributions of individuals and groups to Canadian culture and society during this period. Students will use critical-thinking and communication skills to evaluate various interpretations of the issues and events of the period and to present their own points of view. *Prerequisite*: None

Canadian History Since World War I, Grade 10, Applied (CHC2P)
This course explores some of the pivotal events and experiences that have influenced the development of Canada's identity as a nation from World War I to the present. By examining how the country has responded to economic, social, and technological changes and how individuals and groups have contributed to Canadian culture and society during this period, students will develop their ability to make connections between historical and current events. Students will have opportunities to formulate questions, locate information, develop informed opinions, and present ideas about the central issues and events of the period. *Prerequisite*: None

World History to the Sixteenth Century, Grade 11, University/College (CHW3M)
This course investigates the history of humanity from earliest times to the sixteenth century. Students will analyze diverse societies from around the world, with an emphasis on the political, cultural, and economic structures and historical forces that have shaped the modern world. They will apply historical inquiry, critical-thinking, and communication skills to evaluate the influence of selected individuals, groups, and innovations and to present their own conclusions. *Prerequisite*: Grade 10 Canadian History Since World War I, Academic or Applied

World History: The West and the World, Grade 12, University (CHY4U)
This course investigates the major trends in Western civilization and world history from the sixteenth century to the present. Students will learn about the interaction between the emerging West and other regions of the world and about the development of modern social, political, and economic systems. They will use critical-thinking and communication skills to investigate the historical roots of contemporary issues and present their conclusions. *Prerequisite*: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities

COMPUTER STUDIES

Introduction to Computer Science, Grade 11, University (ICS3U)
This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields. *Prerequisite*: None
Note: This course will be offered with BTA3O with priority given to students enrolled in ISC3U. Students are advised to select BTA3O or IDC3U not both.

COOPERATIVE EDUCATION
Cooperative Education is a planned learning experience, for which credits are earned, that integrates classroom theory and learning experiences at a workplace. The experience enables students to apply and refine the knowledge and skills acquired in a related curriculum course.
Cooperative Education courses must be based on a related course from an Ontario Curriculum policy document in which the student is currently enrolled or which he or she has successfully completed. The Cooperative Education course and the related course together constitute a student's Cooperative Education program. The program is designed to suit the student's strengths, interests, and needs and to enhance the student's preparation for the future. Placements should provide students with challenging opportunities to apply and extend the knowledge, practice and refine the skills acquired in the related course and to demonstrate the achievement of the placement expectations that reflect current workplace practice and standards.

ENGLISH

Students are encouraged to enjoy God's gift of communication as they explore writing, language, literature and media. Literature is a fundamental element of identity and culture. As students read and reflect on a rich variety of literature, informational texts, and media works, they deepen their understanding of themselves, their Creator and the world around them. Students will be taught discernment when reflecting on the various worldviews represented in the literature and media. Through the study of literature,
Students strengthen their ability to use language as an effective tool for thought, creative expression, and communication across the disciplines.

English, Grade 9, Academic (ENG1D)

This course is designed to develop the oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyze literary texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the Grade 10 academic English course, which leads to university or college preparation courses in Grades 11 and 12. *Prerequisite*: None

English, Grade 9, Applied (ENG1P)

This course is designed to develop the key oral communication; reading, writing, and media literacy skills students need for success in secondary school and daily life. Students will read, interpret, and create a variety of informational, literary, and graphic texts. An important focus will be on identifying and using appropriate strategies and processes to improve students' comprehension of texts and to help them communicate clearly and effectively. The course is intended to prepare students for the Grade 10 applied English course, which leads to college or workplace preparation courses in Grades 11 and 12. *Prerequisite*: None

English, Grade 10, Academic (ENG2D)

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyze literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course. *Prerequisite*: Grade 9 English, Academic or Applied

English, Grade 10, Applied (ENG2P)

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school and daily life. Students will study and create a variety of informational, literary, and graphic texts. An important focus will be on the consolidation of strategies and processes that help students interpret texts and communicate clearly and effectively. This course is intended to prepare students for the compulsory Grade 11 college or workplace preparation course. *Prerequisite*: Grade 9 English, Academic or Applied

English, Grade 11, University (ENG3U)

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze challenging literary texts from various periods, countries, and cultures, as well as a range of informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on using language with precision and clarity and incorporating stylistic devices appropriately and effectively. The course is intended to prepare students for the compulsory Grade 12 university or college preparation course. *Prerequisite*: Grade 10 English, Academic

English, Grade 11, College (ENG3C)

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will study the content, form, and style of a variety of informational and graphic texts, as well as literary texts from Canada and other countries, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity. The course is intended to prepare students for the compulsory Grade 12 college preparation course. *Prerequisite*: Grade 10 English, Applied

Media Studies, Grade 11, Open (EMS3O)
This course emphasizes knowledge and skills that will enable students to understand media communication in the twenty-first century and to use media effectively and responsibly. Through analyzing the forms and messages of a variety of media works and audience responses to them, and through creating their own media works, students will develop critical thinking skills, aesthetic and ethical judgment, and skills in viewing, representing, listening, speaking, reading, and writing. *Prerequisite*: Grade 10 English, Academic or Applied

English, Grade 12, University (ENG4U)
This course emphasizes the consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. The course is intended to prepare students for university, college, or the workplace. *Prerequisite*: Grade 11 English, University Preparation

English, Grade 12, College (ENG4C)
This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. The course is intended to prepare students for college or the workplace. *Prerequisite*: Grade 11 English, College Preparation

English as a Second Language

ESL, Level 1, Open (ESLAO)
This course builds on students' previous education and language knowledge to introduce them to the English language and help them adjust to the diversity in their new environment. Students will use beginning English language skills in listening, speaking, reading, and writing for everyday and essential academic purposes. They will engage in short conversations using basic English language structures and simple sentence patterns; read short adapted texts; and write phrases and short sentences. The course also provides students with the knowledge and skills they need to begin to adapt to their new lives in Canada. Prerequisite: None

ESL, Level 2, Open (ESLBO)
This course extends students' listening, speaking, reading, and writing skills in English for everyday and academic purposes. Students will participate in conversations in structured situations on a variety of familiar and new topics; read a variety of texts designed or adapted for English language learners; expand their knowledge of English grammatical structures and sentence patterns; and link English sentences to compose paragraphs. The course also supports students' continuing adaptation to the Ontario school system by expanding their knowledge of diversity in their new province and country. Prerequisite: ESL Level 1 or equivalent

ESL, Level 3, Open (ESLCO)
This course further extends students' skills in listening, speaking, reading, and writing in English for a variety of everyday and academic purposes. Students will make short classroom oral presentations; read a variety of adapted and original texts in English; and write using a variety of text forms. As well, students will expand their academic vocabulary and their study skills to facilitate their transition to the mainstream school program. This course also introduces students to the rights and responsibilities inherent in Canadian citizenship, and to a variety of current Canadian issues. Prerequisite: ESL Level 2 or equivalent

ESL, Level 4, Open (ESLDO)
This course prepares students to use English with increasing fluency and accuracy in classroom and social situations and to participate in Canadian society as informed citizens. Students will develop the oral-presentation, reading, and writing skills required for success in all school subjects. They will extend listening and speaking skills through participation in discussions and seminars; study and interpret a variety of grade-level texts; write narratives, articles, and summaries in English; and respond critically to a variety of print and media texts. Prerequisite: ESL Level 3 or equivalent

ESL, Level 5, Open (ESLEO)
This course provides students with the skills and strategies they need to make the transition to college and university preparation courses in English and other secondary school disciplines. Students will be encouraged to develop independence in a range of academic tasks. They will participate in debates and lead classroom workshops; read and interpret literary works and academic texts; write essays, narratives, and reports; and apply a range of learning strategies and research skills effectively. Students will further develop their ability to respond critically to print and media texts.
Prerequisite: ESL Level 4 or equivalent

Ontario Secondary School Literacy Course (OLC3O)
This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test (OSSLT). Students who complete the course successfully will meet the provincial literacy requirement for graduation. Students will read a variety of informational, narrative, and graphic texts and will produce a variety of forms of writing, including summaries, information paragraphs, opinion pieces, and news reports. Students will also maintain and manage a portfolio containing a record of their reading experiences and samples of their writing.
Prerequisite: Eligibility requirement: Students who have been eligible to write the OSSLT at least twice and who have been unsuccessful at least once are eligible to take the course. (Students who have already met the literacy requirement for graduation may be eligible to take the course under special circumstances, at the discretion of the principal.)

FRENCH

Believers recognize that God has created people of many cultures, races, and languages. This program is designed to help students grow in appreciation and respect for those who are French. The French program aims to prepare students to speak the official language with confidence and to gain transferable academic and cognitive skills. The program celebrates the gifts of communication, and opens students to wide ranging possibilities in career options.

Core French, Grade 9, Academic (FSF1D)

This course emphasizes the further development of oral communication, reading, and writing skills. Students will build on and apply their knowledge of French while exploring a variety of themes, such as relationships, social trends, and careers. Thematic readings, which include a selection of short stories, articles, and poems, will serve as steppingstones to oral and written activities. *Prerequisite*: Minimum of 600 hours of French instruction, or equivalent

Core French, Grade 9, Applied (FSF1P)

This course emphasizes the concurrent development of oral communication, reading, and writing skills, using a broad-based theme such as the media. Students will enhance their ability to understand and speak French through conversations, discussions, and presentations. They will also read short stories, articles, poems, and songs, and write brief descriptions, letters, dialogues, and invitations. *Prerequisite*: Minimum of 600 hours of French instruction, or equivalent

Core French, Grade 10, Academic (FSF2D)

This course enables students to increase their knowledge of the French language, further develop their language skills, and deepen their understanding and appreciation of francophone culture around the world. Exploring a variety of themes, students will develop and apply critical thinking skills in discussion, in their analysis and interpretation of texts, and in their own writing. *Prerequisite*: Grade 9 Core French, Academic or Applied

Core French, Grade 11, University (FSF3U)

This course draws on a variety of themes to promote extensive development of reading and writing skills and to reinforce oral communication skills. Students will gain a greater understanding of French-speaking cultures in Canada and around the world through their reading of a variety of materials, including a short novel or a play. Students will produce various written assignments, including a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course. *Prerequisite*: Grade 10 Core French, Academic

Core French, Grade 12, University (FSF4U)

This course draws on a variety of themes to promote extensive development of French-language skills. Students will consolidate their oral skills as they discuss literature, culture, and current issues. They will read a variety of texts and will write a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course. *Prerequisite*: Grade 11 Core French, University Preparation

GUIDANCE & CAREER EDUCATION

The Guidance program aims are directed to the students, the school and the parents. The aims of the guidance program are to help students to: know and appreciate themselves as image-bearers of God, relate in Christian ways to others, develop appropriate educational plans, explore career alternatives, and to be successful in their schoolwork.

Learning Strategies 1: Skills for Success in Secondary School, Grade 9, Open (GLS1O)
This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond. *Prerequisite*: None

Career Studies, Grade 10, Open (GLC2O)
This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores postsecondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan. *Prerequisite*: None

HEALTH & PHYSICAL EDUCATION

The physical education and health program seeks to encourage students to develop the attitude and practice of life-long physical fitness. The program implements this through individual and corporate physical skills training and health awareness, which encourages individual motor skill development and community participation. A major aim is also to teach physical fitness and sports in order to enable students to participate in organized, structured games and leisure activities, which allow for healthy service for the Lord.

Healthy Active Living Education, Grade 9, Open (PPL1O)
This course equips students with the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively. **Prerequisite:** None

Healthy Active Living Education, Grade 10, Open (PPL2O)
This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively. **Prerequisite:** None

Healthy Active Living Education, Grade 11, Open (PPL3O)
This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively. **Prerequisite:** None

Recreation and Healthy Active Living Leadership, Grade 12, College (PLF4M)
This course enables students to explore the benefits of lifelong participation in active recreation and healthy leisure and to develop the leadership and coordinating skills needed to plan, organize, and safely implement recreational events and other activities related to healthy, active living. Students will also learn how to promote the benefits of healthy, active living to others through mentoring and assisting them in making informed decisions that enhance their well-being. The course will prepare students for university programs in physical education and health and kinesiology and for college and university programs in recreation and leisure management, fitness and health promotion, and fitness leadership. **Prerequisite:** Any health and physical education course

MATHEMATICS
The focus in the mathematics program is on transferable skills such as: reasoning, problem solving, communicating and understanding ideas, and the use of appropriate technology. Mathematical work at Smithville Christian High is based around the recognition of the spatial and numerical order of God's creation.

Principles of Mathematics, Grade 9, Academic (MPM1D)
This course enables students to develop an understanding of mathematical concepts related to algebra, analytic geometry, and measurement and geometry through investigation, the effective use of technology, and abstract reasoning. Students will investigate relationships, which they will then generalize as equations of lines, and will determine the connections between different representations of a linear relation. They will also explore relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multi-step problems. *Prerequisite*: None

Foundations of Mathematics, Grade 9, Applied (MFM1P)
This course enables students to develop an understanding of mathematical concepts related to introductory algebra, proportional reasoning, and measurement and geometry through investigation, the effective use of technology, and hands-on activities. Students will investigate real-life examples to develop various representations of linear relations, and will determine the connections between the representations. They will also explore certain relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. *Prerequisite*: None

Principles of Mathematics, Grade 10, Academic (MPM2D)
This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems. *Prerequisite*: Grade 9 Mathematics, Academic or Applied

Foundations of Mathematics, Grade 10, Applied (MFM2P)
This course enables students to consolidate their understanding of linear relations and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve and apply linear systems, using real-life examples; and explore and interpret graphs of quadratic relations. Students will investigate similar triangles, the trigonometry of right triangles, and the measurement of three-dimensional figures. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. *Prerequisit*e: Grade 9 Mathematics, Academic or Applied

Functions, Grade 11, University (MCR3U)
This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems. *Prerequisite*: Principles of Mathematics, Grade 10, Academic

Foundations for College Mathematics, Grade 11, College (MBF3C)
This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analyzing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. *Prerequisite*: Foundations of Mathematics, Grade 10, Applied

Advanced Functions, Grade 12, University (MHF4U)
This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs. *Prerequisite*: Functions, Grade 11, University Preparation, or Mathematics for College Technology, Grade 12, College Preparation

Calculus and Vectors, Grade 12, University (MCV4U)
This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, sinusoidal, exponential, rational, and radical functions; and apply these concepts and skills to the modeling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who choose to pursue careers in fields such as science, engineering, economics, and some areas of business, including those students who will be required to take a university-level calculus, linear algebra, or physics course. *Prerequisite*: Note: Advanced Functions, Grade 12, University Preparation, must be taken prior to or concurrently with Calculus and Vectors.

Mathematics of Data Management, Grade 12, University (MDM4U)
This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing and analyzing large amounts of information; solve problems involving probability and statistics; and carry out a culminating investigation that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest. *Prerequisite*: Functions, Grade 11, University Preparation, or Functions and Applications, Grade 11, University/College Preparation

Mathematics for College Technology, Grade 12, College (MCT4C)
This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, and algebraically; develop facility in simplifying expressions and solving equations; and solve problems that address applications of algebra, trigonometry, vectors, and geometry. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for a variety of college technology programs. *Prerequisite*: Functions and Applications, Grade 11, University/College Preparation, or Functions, Grade 11, University Preparation

Foundations for College Mathematics, Grade 12, College (MAP4C)
This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyze data using statistical methods; solve problems involving applications of geometry and trigonometry; solve financial problems connected with annuities, budgets, and renting or owning accommodation; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades. *Prerequisite*: Foundations for College Mathematics, Grade 11, College Preparation, or Functions and Applications, Grade 11, University/College Preparation

SCIENCE

Scientific activities are a legitimate and important part of the Christian's task to explore and understand creation. The science courses offered at Smithville Christian High expand the student's knowledge and understanding of the creation and the Creator. As stewards of God's creation, students need to comprehend the complex relationships in creation so that they may be aware of the consequences of human activities on these relationships.

Science, Grade 9, Academic (SNC1D)

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and the principles of electricity. *Prerequisite*: None

Science, Grade 9, Applied (SNC1P)

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science to everyday situations. They are also given opportunities to develop practical skills related to scientific investigation. Students will plan and conduct investigations into practical problems and issues related to the impact of human activity on ecosystems; the structure and properties of elements and compounds; space exploration and the components of the universe; and static and current electricity. *Prerequisite*: None

Science, Grade 10, Academic (SNC2D)

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid–base reactions; forces that affect climate and climate change; and the interaction of light and matter. *Prerequisite*: Grade 9 Science, Academic or Applied

Science, Grade 10, Applied (SNC2P)

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real-world situations. Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter. *Prerequisite*: Grade 9 Science, Academic or Applied

Biology, Grade 11, University (SBI3U)

This course furthers students' understanding of the processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biodiversity; evolution; genetic processes; the structure and function of animals; and the anatomy, growth, and function of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation. *Prerequisite*: Grade 10 Science, Academic

Biology, Grade 11, College (SBI3C)

This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, the anatomy of mammals, and the structure of plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields. *Prerequisite*: Grade 10 Science, Academic or Applied

Biology, Grade 12, University (SBI4U)

This course provides students with the opportunity for in-depth study of the concepts and processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will

be placed on the achievement of detailed knowledge and the refinement of skills needed for further study in various branches of the life sciences and related fields. *Prerequisite*: Grade 11 Biology, University Preparation

Chemistry, Grade 11, University (SCH3U)
This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment. *Prerequisite*: Grade 10 Science, Academic

Chemistry, Grade 12, University (SCH4U)
This course enables students to deepen their understanding of chemistry through the study of organic chemistry, the structure and properties of matter, energy changes and rates of reaction, equilibrium in chemical systems, and electrochemistry. Students will further develop their problem-solving and investigation skills as they investigate chemical processes, and will refine their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in everyday life and on evaluating the impact of chemical technology on the environment. *Prerequisite:* Grade 11 Chemistry, University Preparation

Chemistry, Grade 12, College (SCH4C)
This course enables students to develop an understanding of chemistry through the study of matter and qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry as it relates to the quality of the environment. Students will use a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and the effects of technological applications and processes on society and the environment. *Prerequisite*: Grade 10 Science, Academic or Applied

Physics, Grade 11, University (SPH3U)
This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyze the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment. *Prerequisite*: Grade 10 Science, Academic

Physics, Grade 12, University (SPH4U)
This course enables students to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyze, qualitatively and quantitatively, data related to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment. *Prerequisite*: Grade 11 Physics, University Preparation

Physics, Grade 12, College (SPH4C)
This course develops students' understanding of the basic concepts of physics. Students will explore these concepts with respect to motion; mechanical, electrical, electromagnetic, energy transformation, hydraulic, and pneumatic systems; and the operation of commonly used tools and machines. They will develop their scientific investigation skills as they test laws of physics and solve both assigned problems and those emerging from their investigations. Students will also consider the impact of technological applications of physics on society and the environment. *Prerequisite*: Grade 10 Science, Academic or Applied

SOCIAL SCIENCE
Scripture shows a picture of humans in relationship to God, fellow humans and the environment. This is a central theme in the social sciences as students examine human activity and God's call to be faithful. The social sciences focus on the concept that culture-forming activities and institutions must be a heart response to God. The program proceeds from the foundation of creation-fall-redemption-response.

Food and Nutrition, Grade 10, Open (HFN2O)
This course explores the factors that affect attitudes and decisions about food, examines current issues of body image and food marketing, and is grounded in the scientific study of nutrition. Students will learn how to make informed food choices and how to prepare foods, and will investigate our Canadian food heritage and food industries, as well as global food issues. The course also introduces students to research skills related to food and nutrition. *Prerequisite*: None

Capstone: Senior Social Sciences Grade 12, Open, Interdisciplinary Studies (IDC4O)
This course combines the expectations for the Interdisciplinary Studies, Grade 12, Open, with selected expectations from the following Social Science courses: HSP3U, Introduction to Anthropology, Psychology and Sociology; HHS4U, Families in Canada; HSE4M, Equity and Social Justice: From Theory to Practice; HSC4M World Cultures.
Students will understand the nature of who we are as humans and our relation to God and culture. Students will learn that we are a unique creation of God and we are called to serve Him in all areas of life. The students will be taught to be "in the world but not of it". Students will further study and understand both the major worldviews that are predominant in Canada and the religions across the globe. The students will examine their own identity as understood or shaped by their worldview, the views of the scientific community, and our postmodern society at large. As they move along in the journey of self-discovery they will look at their relationship to society and their role in making a difference in their families, local and global communities. Students will understand various forms of oppression (and perhaps how we contribute to the injustice) and learn how others have approached the issues and how Christians can bring about justice to a hurting world. ***Prerequisite:*** *none*

Capstone: Senior Social Sciences Grade 12, University, Interdisciplinary Studies (IDC4U)
This course combines the expectations for the Interdisciplinary Studies, Grade 12, University, with selected expectations from the following Social Science courses: HHS4U, Families in Canada; HSE4M, Equity and Social Justice: From Theory to Practice; HSC4M, World Cultures.
This course will help us understanding the nature of who we are as humans and our relation to God and culture. Students will learn that we are a unique creation of God and we are called to serve Him in all areas of life. The students will be taught to be "in the world but not of it". Students will further study and understand both the major worldviews that are predominant in Canada and the religions across the globe. The students will examine their own identity as understood or shaped by their worldview, the views of the scientific community, and our postmodern society at large. As they move along in the journey of self-discovery they will look at their relationship to society and their role in making a difference in their families, local and global communities. Students will understand various forms of oppression (and perhaps how we contribute to the injustice) and learn how others have approached the issues and how Christians can bring about justice to a hurting world. ***Prerequisite:*** *any university or university/college preparation course*

TECHNOLOGICAL EDUCATION
In the 21st century, technology may be leading many changes in our culture. This program has a two fold aim: first, to offer a Christian perspective on technological change and how it fits into contemporary culture, and second, to develop in students the skills necessary to live and work creatively and competently in a technologically based society.

Exploring Technologies, Grade 9, Open (TIJ1O)
This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry. Students will develop an awareness of environmental and societal issues, and will begin to explore secondary and postsecondary education and training pathways leading to careers in technology-related fields. *Prerequisite*: None

Transportation Technology, Grade 10, Open (TTJ2O)
This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the transportation industry. *Prerequisite:* None

Construction Engineering Technology, Grade 11, College (TCJ3C)
This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands-on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and will explore career opportunities in the field. *Prerequisite*: None

Construction Engineering Technology, Grade 12, College (TCJ4C)
This course enables students to further develop knowledge and skills related to residential construction and to explore light commercial construction. Students will gain hands-on experience using a variety of materials, processes, tools, and equipment, and will learn more about building design and project planning. They will continue to create and interpret construction drawings and will extend their knowledge of construction terminology and of relevant building codes and regulations, as well as health and safety standards and practices. Students will also focus on environmental and societal issues related to construction engineering technology, and will explore career opportunities in the field. *Prerequisite:* Construction Engineering Technology, Grade 11, College preparation