

BIOLOGY 11 (4 credits)

In Biology 11 students will learn about diversity, ecology, biochemistry and evolution of plants, animals and microbes.

BIOLOGY 12 (4 credits)

Biology 12 focuses on human biology, allowing students to develop an interest in and an understanding of science by seeing how the diverse body systems are integrated to maintain homeostasis. The order of learning outcomes follows a sequence from cell structure and simple biochemical processes to the organ systems themselves.

BIOLOGY 12 ONLINE (4 credits)

This course concentrates on cellular processes and human biology. It is a challenging, fast-paced course containing a great deal of interesting and exciting information designed to prepare students for the standards and content of university-level Biology and Biochemistry. The online course is hosted entirely on the Internet, so can be easily accessed from anywhere. Students will design a schedule to maintain a good pace and successful completion. There are great animations and videos to help with the learning process.

BUSINESS 12 (4 credits)

Finding a job is hard...enjoying a job is sometimes even harder. If you are a hard-working and determined person, starting your own business is an option *and an opportunity*. Learn how to take your own unique idea for a product or service that currently does not exist in the market place and turn it into a lucrative business.

CHEMISTRY 11 (4 credits)

Students will learn about atomic theory, classification of matter, the mole, chemical bonding and reactions, the periodic table and organic chemistry.

CHEMISTRY 12 (4 credits)

Students will extend the knowledge gained in Chemistry 11 to study reaction kinetics, energy changes and equilibrium during reactions, solubility, acid base equilibrium, oxidation-reduction reactions, and electrochemistry. Laboratory work is included in this course.

CIVICS 11: Evolution or Revolution? (4 credits)

The world is changing and people in countries such as Tunisia, Egypt and Libya are speaking out about the kind of government and political decision-making that they want. This class will focus on the same issues...what does it mean to be an informed, participating and responsible citizen? Students will become aware of their civic responsibilities and expectations, as they participate in discussions, interactive assignments and socially-relevant projects.

COMMUNICATIONS 11 (4 credits)

This class satisfies the Language Arts 11 requirement for graduation and is an alternative to English 11 for students not planning to go directly to university.

COMMUNICATIONS 12 (4 credits)

Students study a variety of literary works. Grammar and composition focus on the writing skills required for personal and business use as students strive for precision in language. This course satisfies the Language Arts 12 requirement for graduation.

DATA MANAGEMENT 12 (4 credits)

The majority of the course will be hands-on learning of the more advanced features of Microsoft Office including Word, Excel, Access and PowerPoint.

DIGITAL & SOCIAL MEDIA 12 (4 credits)

From Facebook to YouTube, social media has become an integral part of our digital world. In this course, we will be using many of these tools and technologies (blogs, wikis, Twitter, Google Apps etc.) to examine how to be a critical consumer and producer of digital information. We will be looking at our own digital footprint—what is it and how do we manage it? By examining the many new means of communicating, we will build personal learning environments and networks that will be valuable well beyond this course.

ENGLISH 10 (4 credits)

This course is designed for adults returning to school who want to prepare for senior-level English courses **and** for school-aged students who need English 10 to graduate. Students learn to communicate effectively in written, spoken and visual forms. Students analyze literature, the mass media and various informational / technical materials.

ENGLISH 11 (4 credits)

A variety of literary works provide the framework for students to develop competencies in analyzing and responding to literature. Grammar and composition skills are also important components of the course.

ENGLISH 12 (4 credits)

This course will provide opportunities for personal and intellectual growth through speaking, listening, reading/viewing, and writing/representing. Students will study a variety of information texts, short stories and poems, as well as a novel and a play. They will also work on various grammar topics that will help them improve their writing mechanics.

ENGLISH 12 ONLINE (4 credits)

This course will provide opportunities for personal and intellectual growth through speaking, listening, reading/viewing, and writing/representing. Students will study a variety of information texts, short stories and poems, as well as a novel. There are also optional online lessons that will help them improve their grammar and writing.

FAMILY STUDIES 12 (4 credits)

This course will provide students with the necessary skills, knowledge and abilities to meet the challenge of our dynamic and complex society. Topics studied are multiculturalism, family relationships, social issues and their effect on the family, stages of growth and development in the life cycle, health, housing and consumer issues.

FAMILY STUDIES 12 ONLINE (4 credits)

In this course, you will examine how changes in society impact the definition of a family and the functions of a family, as well as explore family trends in Canada and family customs and traditions in different cultures. You will also study how relationships form and change.

FRENCH 11 (4 credits)

French 11 continues and expands all sections of work learned in French 10. More oral comprehension exercises are added, as are irregular verbs, imperfect vs. perfect vs. pluperfect, conditional tenses, pronouns, composition, grammatical structures and résumé writing.

FRENCH 12 (4 credits)

French 12 builds on and expands concepts from French 11. Oral comprehension, spoken French and literature are an integral part of this course. The use of the subjunctive mood, the active and passive voices, as well as the simple past and future tenses will be introduced.

GRADUATION TRANSITIONS (4 credits)

The Graduation Transitions course is a requirement for students on the 2004 Graduation Program. LEC's GT course is offered only to students whose home school is LEC. It covers topics in the following areas: Personal Health, Community Involvement and Career & Life. This course promotes healthy living, volunteer work experience and planning for the post secondary years of a student's life. Students who successfully complete Graduation Transitions will receive an "RM" (requirement met) on their transcript.

HISTORY 12 (4 credits)

Students in History 12 learn modern world history from 1919 to 1991. Special emphasis is placed on the rise of totalitarianism, World War II, the Cold War, decolonization and the rise of the 'Third World'.

MARKETING 12 (4 credits)

Marketing 12 is a comprehensive study of marketing techniques and activities. It provides students with opportunities to develop marketing strategies and skills in order to present a product, a service, or an idea in a business environment. Some topics include: advertising, introduction of new products and services, and product enhancement.

MATH 10, APPRENTICESHIP & WORKPLACE (4 credits)

Apprenticeship and Workplace Math 10 (AWM 10) replaces Essentials of Math 10. Topics include: measurement, geometry, number and algebra. The next math course for students who successfully complete AWM 10 is Apprenticeship & Workplace Math 11.

MATH 10, FOUNDATIONS & PRE-CALCULUS (4 credits)

Foundations of Math 10 & Pre-Calculus replaces Principles of Math 10. Topics include: measurement, algebra & number and relations & functions. The next math course recommended for students who successfully complete FMP 10 is either Foundations of Math 11 or Pre-Calculus 11.

MATH 11, APPRENTICESHIP & WORKPLACE (4 credits)

The AWM 11 course consists of topic such as: income and debt, interest, statistics, measurement, word problems, income tax and probability.

MATH 11, FOUNDATIONS BRIDGE (4 credits)

This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include: logical reasoning, geometry/trigonometry, statistics, relations and functions, and measurement.

MATH 11, PRE-CALCULUS (4 credits)

This course is strongly recommended for students who are planning on pursuing post-secondary studies in math, engineering or the physical sciences. Topics include: sequences and series, trigonometry, quadratic relations, radical, rational, absolute value and reciprocal functions, inequalities and systems of equations.

MATH 11, PRE-CALCULUS ONLINE (4 credits)

This course is strongly recommended for students who are planning on pursuing post-secondary studies in math, engineering or the physical sciences. Topics include: sequences and series, trigonometry, quadratic relations, radical, rational, absolute value and reciprocal functions, inequalities and systems of equations.

MATH 12, PRINCIPLES (4 credits)

Principles of Math 12 follows the Western Canadian Protocol. Topics include: transformations, exponential functions and logarithms, trigonometric functions and identities, and probability.

MATH 12, PRINCIPLES ONLINE (4 credits)

Through online learning, students will meet the requirements of and receive full credit for the Principles of Math 12 course. Students will examine theories and concepts in problem-solving, patterns and relations, shape and space, and statistics and probability. The teacher will support students in every aspect of this course via email, onsite assistance, as well as through real-time communication online. This is an exciting medium for learning Mathematics!

PHYSICAL EDUCATION 10 (4 credits)

PE 10 is a required course for students on the 2004 grad program. Topics include: healthy living, healthy food choices, meal planning and sports for everyday enjoyment. In addition, students begin a log of their daily physical activities, which they are expected to continue throughout grades 11 and 12.

PHYSICAL EDUCATION 10 ONLINE (4 credits)

PE 10 is a required course for students on the 2004 grad program. Topics include active living, movement, and personal & social responsibility.

PHYSICS 11 (4 credits)

Students in Physics 11 will study the wave nature of light and wave theory, motion and forces in one dimension, and nuclear energy. As physics is essentially a course on the mathematical aspects of nature, a strong mathematics background is essential.

PHYSICS 12 (4 credits)

Students in Physics 12 will prepare for post-secondary courses in Physics. Topics in the course include: vector kinematics and dynamics, mechanical energy and vector momentum, mechanical equilibrium, circular motion and gravitation, electrostatics, electric circuitry, and electromagnetism.

PLANNING 10 ONLINE (4 credits)

Planning 10 provides opportunities for students to develop decision-making skills, explore post-secondary and career options, think critically about health and personal awareness issues, and develop financial literacy skills. For students on the 2004 Graduation Program, Planning 10 is a required course designed to enable students to develop the skills they need to become self-directed individuals who set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout life.

PLANNING 12 ADULT (4 credits)

This course is only available to adult students who are enrolled in the BC Adult Graduation Diploma. This **paper-based** course includes topics such as decision-making, post secondary planning, and financial literacy

PLANNING 12 ADULT ONLINE (4 credits)

This online course is only available to adult students who are enrolled in the BC Adult Graduation Diploma. This course includes decision-making, post-secondary planning, financial literacy, and critical thinking.

PSYCHOLOGY 12 A (4 credits)

If you are planning a career working with children, as an early childhood educator or a daycare provider, this class will give you some basic knowledge about the critical early years. Topics include: the early years, adolescent growth and development, parenting issues and strategies, and family relationships..

PSYCHOLOGY 12 B (4 credits)

In this course the following topics will be covered: the brain, consciousness, learning, memory, thinking, motivation, stress, psychological disorders and social psychology. It is a major goal of this course to provide each student with a deeper insight into himself or herself as a person. At the same time, the course emphasizes the applicability of psychological knowledge and skills not only to family, but also workplace situations, including those found in specific careers in the field of human services.

SCIENCE 10 ONLINE (4 credits)

Science 10 uses the Applications of Science framework to weave the skills, processes and attitudes of science through the three content organizers of Life Science, Physical Science, and Earth and Space Science. This course gives students a base from which to develop and focus their own interests and to help them select the most suitable choices for their senior science courses.

SCIENCE AND TECHNOLOGY 11 ONLINE (4 credits)

Students in this course will learn about the complex world of science and technology and the interaction which occurs between technology and society. This course develops thinking skills, decision making, and the detection of bias and vested interest, as well as providing the factual basis needed to practice these skills.

SOCIAL STUDIES 10 (4 credits)

Social Studies 10 focuses on current events in Canadian society, using Canada between the years of 1815 and 1914 as a backdrop. Topics include: applications of Social Studies, society and culture, politics and law, economy and technology, and the environment.