

SENIOR HIGH AT-A-GLANCE

CAREER AND LIFE MANAGEMENT (CALM)

Personal Choices

- apply an understanding of the emotional/psychological, intellectual, social, spiritual and physical dimensions of health in managing personal well-being.

Career and Life Choices

- develop and apply processes for managing personal, lifelong career development.

Resource Choices

- make responsible decisions in the use of finances and other resources that reflect personal values and goals and demonstrate commitment to self and others.

ENGLISH LANGUAGE ARTS

ELA 10-1, 20-1, 30-1

- analyze, respond to and create complex texts
- identify and examine ways in which cultural and societal influences are reflected in a variety of Canadian and international texts.

ELA 10-2, 20-2, 30-2

- develop a variety of reading, comprehension and writing strategies
- respond to texts at a variety of different levels of sophistication.

ELA 10-4, 20-4, 30-4 (Knowledge and Employability)

- read and write for specific, concrete purposes
- speak clearly and confidently
- view and demonstrate understanding
- engage in active listening.

PHYSICAL EDUCATION 10

Benefits Health

- analyze and reflect upon ways to achieve a personal functional level of fitness
- perform appropriate physical activities for stress management and relaxation

Activity

- develop and apply skills through experiences in the dimensions of:
 - Alternative Environments, Dance, Individual Activities, Types of Gymnastics

Cooperation

- communicate thoughts and feelings in an appropriate respectful manner
- demonstrate etiquette and fair play

Do It Daily...for Life!

- develop a personal plan for physical activity
- investigate participation in community activity programs

SCIENCE

Science 20-30

- explore science topics in biology, chemistry, physics and earth science
- examine the relationship of science to technology and society.

Science 10

- explore topics in chemical, technological, living and global systems
- recognize the relationships of science to technologies and society
- develop a foundation for all academic sciences.

Science 14-24

- explore scientific principles behind natural phenomena and everyday technologies
- recognize the role of science in problem solving and decision making.

Science 10-4, 20-4 (Knowledge and Employability)

- develop and apply essential science skills, knowledge and attitudes needed for everyday living at home, the workplace, and the community.

Biology 20-30

- explore the interactions of living things with one another and their environment
- examine energy and matter exchange; adaptation and change in living systems
- recognize the role of science in societal decision making and maintaining a sustainable environment.

Chemistry 20-30

- explore matter and its changes
- recognize the chemical principles that underlie natural events
- develop an awareness of the impacts of chemistry on their lives.

Physics 20-30

- examine matter and energy, and their interactions
- recognize the physics principles that underlie natural events
- explore technologies used in daily life.

MATHEMATICS

Mathematics 10C

- prepare students for either the -1 or -2 course sequence beginning in Grade 11
- study the topics of measurement (SI and Imperial), trigonometry, polynomial factoring and operations, systems of equations and linear relations and functions.

Pure Mathematics 20-30*

- examine and analyze mathematical theory
- apply algebraic and graphical approaches to problem solving
- use a variety of computational methods including advanced, as appropriate.

Applied Mathematics 20-30*

- study applications of mathematics
- apply numerical and geometrical approaches to problem solving.

Mathematics 10-3

- designed for students who will enter the majority of trades or go directly into the workforce
- study the topics of measurement (SI and Imperial), trigonometry, geometry, income, algebraic and proportional reasoning.

Mathematics 24*

- review and consolidate basic mathematical understandings
- acquire practical life skills.

Mathematics 10-4, 20-4 (Knowledge and Employability)

- develop and demonstrate a number sense for whole numbers, common fractions, decimals, percents and integers
- apply arithmetic operations to solve everyday problems.

Mathematics 31

- study advanced mathematics for entrance into some post-secondary programs.

Social Studies 20-1, 20-2

- exploration of the complexities of nationalism in Canadian and international contexts and the influence of nationalism on regional, international and global relations
- development of the understanding, appreciation, values and skills required for engaged, active, informed and responsible citizenship.

Social Studies 10-4, 20-4 (Knowledge and Employability)

- exploration of identity, history, prosperity and citizenship in relation to globalization
- issue analysis, reflection and projects related to Nationalism and Identity, national interest, Internationalism and Canadian national identity.

Social Studies 30-1, 30-2

- exploration of the origins and complexities of ideologies and development of individual and collective responses to contemporary local, national and global issues
- development of the understanding, appreciation, values and skills required for engaged, active, informed and responsible citizenship.

Social Studies 10-1, 10-2

- exploration of multiple perspectives on the origins, impacts and possible responses to globalization
- development of the understanding, appreciation, values and skills required for engaged, active, informed and responsible citizenship.

SUPPORTS FOR LEARNING

Knowledge and Employability Courses

Distributed and Online Learning

Guidance and Counselling

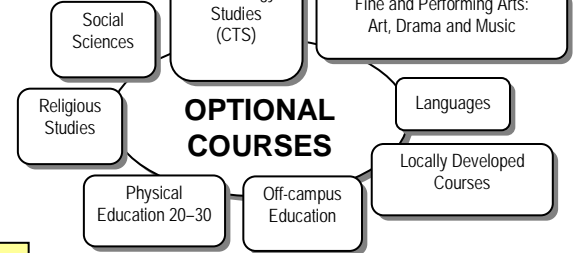
English as a Second Language (ESL)

Special Education Needs

* The Grade 10 courses in the pathways will no longer be offered as of September 2010. The new courses are Mathematics 10C and 10-3.

INFORMATION AND COMMUNICATION TECHNOLOGY (ICT). Students learn and apply ICT knowledge and skills while learning in content areas such as language arts, mathematics, science and social studies.

OPTIONAL COURSES



Information for Parents

Parents can access information about the curriculum and learning resources in a number of ways:

- your child's teacher or school
- Curriculum Summaries
- Curriculum Handbooks
- Programs of Study on the Alberta Education Web site.

How Can I Help My Child At Home?

Show interest in school activities by:

- asking questions
- helping with homework and projects
- setting aside time and a place for your child to complete homework.

Use Alberta Education and other resources produced for parents, such as

- **Make School Work for You: A Resource for Junior and Senior High Students Who Want to Be More Successful Learners**—*Information on knowing yourself, getting organized, making every class count, test taking, presenting learning, getting along with others and staying motivated.*
- **LearnAlberta.ca Web site**—*Online multimedia learning resources that directly relate to the Alberta programs of study.* <http://learnalberta.ca>
- **TELUS 2Learn Web site**—*An education-business partnership that provides Internet inservice, support and mentorship for Alberta teachers.* <http://www.2learn.ca>

Schooling in Alberta

Curriculum describes what students are expected to learn. Alberta Education develops the curriculum in consultation with teachers, administrators, parents, representatives from post-secondary institutions, and professional and community groups.

Teachers use the curriculum to plan learning activities that meet their students' needs and abilities. They regularly assess student progress, reporting to parents, students and administrators.

Provincial Diploma Examinations

Information about diploma examinations is available at all senior high schools. As well, information is available on the Alberta Education Web site. This site includes the *General Information Bulletin, Diploma Examinations Program*, which provides the examination schedules as well as the directives related to the diploma examinations.

Languages

- Blackfoot
- Chinese (Mandarin)
- Cree
- French
- German
- Italian
- Japanese
- Punjabi
- Spanish
- Ukrainian

These languages as well as others may be available at your child's school. For more information, contact the local school board.

Where Can I Get More Information?

- The Alberta Education Web site
<http://education.alberta.ca/>
- Arts, Communications and Citizenship
Telephone: 780-427-2984
Fax: 780-422-3745
E-mail: curric.contact@education.gov.ab.ca
- Digital Design and Resource Authorization
Telephone: 780-427-2984
Fax: 780-422-3745
E-mail: curric.contact@education.gov.ab.ca
- Distributed Learning
Telephone: 780-674-5350
Fax: 780-674-6561
E-mail: DLB.General@gov.ab.ca
- First Nations, Métis and Inuit Services
Telephone: 780-415-9300
Fax: 780-415-9306
E-mail: FNMIServices@gov.ab.ca
- French Language Education Services
Telephone: 780-427-2940
Fax: 780-422-1947
E-mail: LSB@edc.gov.ab.ca
- Learner Assessment
Telephone: 780-427-0010
Fax: 780-422-4200
E-mail: LAcontact@edc.gov.ab.ca
- Mathematics and Science
Telephone: 780-427-2984
Fax: 780-422-3745
E-mail: curric.contact@education.gov.ab.ca
- Special Education Branch
Telephone: 780-422-6326
Fax: 780-422-2039
E-mail: Special.Education@gov.ab.ca

www.education.alberta.ca

2010 | 2011

Senior High

Curriculum
Summary

envision
imagine



Alberta

Government of Alberta