

GRADE 9 AT-A-GLANCE

HEALTH AND LIFE SKILLS

Relationship Choices

- refine personal strategies for managing stress/crises.

Life Learning Choices

- refine personal goals and priorities relevant to learning and career paths.

Wellness Choices

- develop strategies to promote harm reduction/risk management.

Comprehend various kinds of texts

- create texts interrelating plot, setting and character
- analyze creative uses of language and visuals in popular culture
- consider historical context
- preview complex texts for intent, content and structure.

Manage ideas and information

- select types and sources of information for balance
- obtain information reflecting multiple perspectives
- communicate ideas in a variety of texts.

Communicate clearly

- share sample treatments of a topic with peers
- explore the derivation and use of words
- present with a variety of media and display techniques.

Respect and support others

- analyze how texts reflect different cultures, communities
- share responsibilities for the completion of team projects.

Explore thoughts and ideas

- express and respond to ideas on the same topic, in a variety of texts
- explain preferences for texts by particular writers
- examine ideas, experiences, to find patterns.

PHYSICAL EDUCATION

Benefits Health

- monitor and analyze nutrition programs that will affect performance
- assess fitness changes as a result of physical activity

Activity

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

Cooperation

- discuss positive behaviours demonstrated by active living role models
- demonstrate positive behaviours that show respect for self and others

Do It Daily ... for Life!

- develop strategies to counteract influences that limit involvement in physical activity

SCIENCE

Biological Diversity

Matter and Chemical Change

Environmental Chemistry

Space Exploration

Electrical Principles and Technologies

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MATHEMATICS

Number

- demonstrate an understanding of operations on powers
- demonstrate an understanding of rational numbers
- explain and apply the order of operations.

Shape and Space

- solve problems and justify solution strategies using circle properties
- demonstrate an understanding of similarity of polygons
- demonstrate an understanding of line and rotation symmetry.

Statistics and Probability

- develop and implement a project plan for the collection, display and analysis of data
- demonstrate an understanding of the role of probability in society.

Patterns and Relations

- graph a linear relation, analyze the graph, and interpolate or extrapolate to solve problems
- model and solve problems using linear equations
- model, record and explain operations involving polynomial expressions.

SOCIAL STUDIES

Issues for Canadians: Governance and Rights

Issues for Canadians: Economic Systems in Canada and the United States

SUPPORTS FOR LEARNING

Distributed Learning

Special Education Needs

English as a Second Language (ESL)

Knowledge and Employability Courses

OPTIONAL COURSES

Career and Technology Studies

Ethics

Languages

Locally Developed Courses

Environmental and Outdoor Education

Fine and Performing Arts: Art, Drama and Music

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.

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 website.

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

- **The Parent Advantage**—*Tips and strategies for helping with homework in grades 1 through 9.*
- **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 Website**—*Online multimedia learning resources that directly relate to the Alberta programs of study.* <http://learnalberta.ca>
- **TELUS 2Learn Website**—*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 Achievement Tests

As well as being assessed by their teachers, students write provincial achievement tests in grades 3, 6 and 9. Grade 9 students write tests in English language arts, mathematics, science and social studies. Parents can obtain information on the tests and their child's test results from their child's school.

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 Website
<http://education.alberta.ca/>
- Arts, Communications and Citizenship
Telephone: 780-427-2984
Fax: 780-422-0576
E-mail: curric.contact@education.gov.ab.ca
- Digital Design and Resource Authorization
Telephone: 780-422-3244
Fax: 780-422-9157
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: FNMI.Services@gov.ab.ca
- French Language Education Services
Telephone: 780-427-2940
Fax: 780-422-1947
E-mail: LSB@edc.gov.ab.ca
- Inclusive Learning Supports
Telephone: 780-422-6326
Fax: 780-422-2039
E-mail: inclusivelearningsupports@gov.ab.ca
- Learner Assessment
Telephone: 780-427-0010
Fax: 780-422-4200
E-mail: LAcontact@edc.gov.ab.ca
- Mathematics and Sciences
Telephone: 780-427-2984
Fax: 780-422-3745
E-mail: curric.contact@education.gov.ab.ca

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Grade 9

Curriculum
Summary

