

# Grade 9 Curriculum Key Topics

## Language Arts

- Assess and edit writing
- Language constructs personal, social, cultural identity
- Access information and ideas and evaluate their relevance, accuracy, and reliability
- Literary elements, techniques and devices
- Develop an awareness of the diversity within and across First Peoples'
- Rhetorical devices
- Presentation techniques
- Connotations and denotation
- Language change over time

## Science

- Asexual reproduction: mitosis, different forms
- Sexual reproduction: meiosis, human sexual reproduction
- Element properties as in the periodic table
- Circuits, voltage, current, and resistance
- Effects of solar radiation on the cycling of matter and energy
- Matter cycles within biotic and abiotic components of ecosystems
- Sustainability of systems and First Peoples' principles of interconnectedness

## Physical and Health Education

- Daily participation in variety of physical activities
- Physical training principles
- Practices for health and mental well-being,
- Basic principles for responding to emergencies
- Strategies to protect themselves and others from potential abuse, exploitation, and harm
- Bullying, stereotyping, and discrimination
- Signs and symptoms of stress, anxiety, depression
- Changes that occur during puberty and adolescence
- Healthy sexual decision making
- Influence of health messages on behaviour
- Media and social influences related to psychoactive substance use and potentially addictive behaviours

## Math

- Cultural perspectives of First Peoples for locating, measuring, and numbering
- Numerical and spatial reasoning, logic
- Patterns to solve puzzles and games
- Exponents
- Operations with polynomials, of degree less than or equal to two
- Types of income
- Operations with rational numbers
- Two-variable linear relations, using graphing, interpolation, and extrapolation
- Multi-step one-variable linear equations, including distribution and rational coefficients, constants, and solutions
- Probability and statistics in society

## Social Studies

1750-1919

- Political, social, economic, and technological revolutions
- The continuing effects of imperialism and colonialism on indigenous peoples in Canada and around the world
- Global demographic shifts
- Nationalism and the development of modern nation-states, including Canada
- Local, regional, and global conflicts
- Discriminatory policies, attitudes, and historical wrongs
- Physiographic features of Canada and geological processes
- Political, social, economic, and technological revolutions

## Career Education

- Connect interests with possible career paths
- Recognize the impact of personal public identity in the world of work
- Goal-setting
- Responsibility to contribute to community and world
- Career research skills