



Journey
2050™

BRITISH COLUMBIA, CANADA Curricular Connections

A SPECIAL THANK YOU TO [BC Agriculture in the Classroom Foundation](#) for compiling the following document.

British Columbia's new curriculum is based on a "Know-Do-Understand" model to support a concept-based, competency-driven approach to learning. Three elements, the Content (Know), Curricular Competencies (Do), and Big Ideas (Understand) all work together to support deeper, more transferable learning. Flexibility is built into this new curriculum with teachers being able to choose from a list of Curricular Competencies and pair it with Content in order to help build understanding of the Big Ideas. The following are the Big Ideas, Curricular Competencies, and Content from a variety of courses in **grades 9 through 12** that could be met using the Journey 2050 program.

Career Education 9

Big Ideas

- Our career paths reflect the personal, community, and educational choices we make

Curricular Competencies

- Use self-assessment and reflection to develop awareness of their strengths, preferences, and skills
- Explore volunteer and other new learning experiences that stimulate entrepreneurial and innovative thinking
- Apply decision-making strategies to a life, work, or community problem and adjust the strategies to adapt to new situations

Content

- Self-assessment for career research
- Local and global needs and opportunities
- Cultural and social awareness

Career Life Education

Big Ideas

- Effective career planning considers both internal and external factors
- The global economy affects our personal, social and economic lives and prospects

Curricular Competencies

- Use entrepreneurial and innovative thinking to solve problems in their personal life and community
- Recognize and explore diverse perspectives on how work contributes to our community and society
- Locate and apply local and global career and labour market information to make potential career and life decisions
- Identify and explore local-to-global social and economic trends and appreciate their impact on individuals, communities, workplaces and career opportunities

Content

- Global trends and economy

Learn more at: www.Journey2050.com and www.aitc.ca/bc

Career Life Connections

Big Ideas

- Well-being requires finding a balance of personal health, relationships, work, learning, community engagement and committed citizenship
- Being in the world and walking in the world are supported, broadened, and deepened through community involvement and the social experience of building personal networks.
- Global economies, culture and sustainability impact and are impacted by personal choices, social choices, and the availability of personal opportunities

Curricular Competencies

- Demonstrate personal awareness and responsibility through diverse experiences and make connections to community and place
- Use local and global sustainability and economic trends to make personal career and life choices as an educated citizen
- Explore and articulate career opportunities based on research and ways of knowing

Content

- Awareness of and respect for local and global cultural differences
- Multiple ways to gather career information
- Understanding that prior learning can guide future career and life choices

Entrepreneurship and Marketing 10

Big Ideas

- Social, ethical, and sustainability considerations impact design

Curricular Competencies

- Identify criteria for success, intended impact, and any constraints
- Critically analyze and prioritize competing factors, including social, ethical, and sustainability considerations, to meet community needs for preferred futures
- Conduct the test, collect and compile data, evaluate data, and decide on changes
- Evaluate the personal, social, and environmental impacts, including unintended negative consequences, of the choices they make about technology use
- Evaluate how the land, natural resources, and culture influence the development and use of tools and technologies

Content

- Opportunities for entrepreneurship

Entrepreneurship 11

Curricular Competencies

- Critically analyze how competing social, ethical, and sustainability considerations impact design solutions to meet global needs for preferred futures
- Analyze the role and impact of technologies in societal change, and the personal, social, and environmental impacts, including unintended negative consequences of their choices of technology use

Content

- Characteristics of the global market

Applied Design Skills, and Technologies 9 (Food Studies)

Big Ideas

- Social, ethical, and sustainability considerations impact design

Curricular Competencies

- Critically analyze how competing social, ethical, and sustainability considerations, to meet global needs for preferred futures
- Evaluate the personal, social, and environmental impacts, including unintended negative consequences, of the choices they make about technology use
- Evaluate how the land, natural resources, and culture influence the development and use of tools and technologies

Content

- Health, economic, and environmental factors that influence availability and choice of food in personal, local, and global contexts
- Ethical issues related to food systems

Food Studies 10

Big Ideas

- Social, ethical, and sustainability considerations impact design

Curricular Competencies

- Identify criteria for success, intended impact, and any constraints
- Critically analyze and prioritize competing factors, including social, ethical, and sustainability considerations, to meet community needs for preferred futures
- Conduct the test, collect and compile data, evaluate data, and decide on changes
- Evaluate the personal, social, and environmental impacts, including unintended negative consequences, of the choices they make about technology use
- Evaluate how the land, natural resources, and culture influence the development and use of tools and technologies

Content

- Simple and complex global food systems and how they affect food choices, including environmental, ethical, economical, and health impacts

Food Studies 11

Curricular Competencies

- Critically analyze how competing social, ethical, and sustainability considerations impact design solutions to meet global needs for preferred futures
- Analyze the role and impact of technologies in societal change, and the personal, social, and environmental impacts, including unintended negative consequences of their choices of technology use

Content

- Issues involved with food security

Food Studies 12

Curricular Competencies

- Critically analyze how competing social, ethical, and sustainability considerations impact design solutions to meet global needs for preferred futures
- Analyze the role and impact of technologies in societal change, and the personal, social, and environmental impacts, including unintended negative consequences of their choices of technology use

Content

- food justice in the local and global community
- factors involved in regional and/or national food policies

Culinary Arts 12

Curricular Competencies

- Critically analyze how competing social, ethical, and sustainability considerations impact design solutions to meet global needs for preferred futures
- Analyze the role and impact of technologies in societal change, and the personal, social, and environmental impacts, including unintended negative consequences of their choices of technology use

Content

- Social, economic, and environmental effects of food procurement decisions
- Career exploration, social perceptions of chefs, culinary enthusiasts, and food trends

English Language Arts 9

Big Ideas

- Questioning what we hear, read, and view contributes to our ability to be educated and engaged citizens

Curricular Competencies

- Recognize and identify the role of personal, social and cultural contexts, values and perspectives in texts
- Construct meaningful personal connections between self, text, and world

Content

- Forms, functions, and genres of text

Composition 10/11

Big Ideas

- Questioning what we hear, read and view contributes to our ability to be educated and engaged citizens

Curricular Competencies

- Recognize and identify the role of personal, social and cultural contexts, values and perspectives in texts
- Construct meaningful personal connections between self, text and world
- Demonstrate speaking and listening skills in a variety of formal and informal contexts for a range of purposes

Content

- Authentic audiences and real-world purposes

Creative Writing 10/11

Big Ideas

- The exploration of text and story deepens our understanding of diverse, complex ideas about identity, others and the world

Curricular Competencies

- Apply appropriate strategies in a variety of contexts to comprehend written, oral, visual, and multimodal texts; guide inquiry; and extend thinking
- Construct meaningful personal connections between self, text, and world

New Media 10/11

Big Ideas

- The exploration of text and story deepens our understanding of diverse, complex ideas about identity, others, and the world.

Curricular Competencies

- Recognize and identify the role of personal, social, and cultural contexts, values, and perspectives in texts
- Evaluate how literary elements as well as specific new media techniques and devices enhance and shape meaning and impact
- Demonstrate speaking and listening skills in a variety of formal and informal contexts for a range of purposes

English 12

Big Ideas

- The exploration of text and story deepens our understanding of diverse complex ideas about identity, others and the world.

Curricular Competencies

- Access information for diverse purposes and from a variety of sources and evaluate its relevance, accuracy and reliability
- Apply appropriate strategies in a variety of contexts to comprehend written, oral, visual and multimodal texts; guide inquiry; and extend thinking.
- Recognize and identify the role of personal, social and cultural contexts, value and perspectives in texts.
- Construct meaningful personal connections between self, text and world

Content

- Forms, functions and genres of texts

Social Studies 9

Big Ideas

- The physical environment influences the nature of political, social, and economic change

Curricular Competencies

- Use Social Studies inquiry processes and skills to ask questions; gather, interpret, and analyze ideas; and communicate finds and decisions
- Assess how prevailing conditions and the actions of individuals or groups influence events, decisions, or development (cause and consequence)
- Make reasoned ethical judgments about actions in the past and present, and determine appropriate ways to remember and respond (ethical judgement)

Content

- Global demographic shifts, including patterns of migration and population growth

Social Studies 10

Curricular Competencies

- Use Social Studies inquiry processes and skills to ask questions; gather, interpret, and analyze ideas; and communicate finds and decisions
- Assess how prevailing conditions and the actions of individuals or groups influence events, decisions, or development (cause and consequence)
- Make reasoned ethical judgments about actions in the past and present, and determine appropriate ways to remember and respond (ethical judgement)

Content

- Human-environment interaction
- Economic development and Canada's role in a global economy

Human Geography 11

Big Ideas

- Demographic patterns and population distribution are influenced by physical features and natural resources
- Human activities alter landscapes in a variety of ways

Curricular Competencies

- Use geographic inquiry processes and skills to ask questions; gather, interpret, and analyze ideas; and communicate finds and decisions
- Identify and assess how human and environmental factors and events influence each other (interactions and associations)

Content

- Relationships between cultural traits, the use of physical space, and impacts on the environment, including First Peoples cultures
- Global agricultural practices

Physical Geography 12

Big Ideas

- Human activities and resource use affect the environment

Curricular Competencies

- Use geographic inquiry processes and skills to ask questions; gather, interpret, and analyze ideas; and communicate finds and decisions
- Identify and assess how human and environmental factors and events influence each other (interactions and associations)

Content

- Natural resources and sustainability

Urban Studies 12

Big Ideas

- Decision making in urban and regional planning requires balancing political, economic, social, and environmental factors

Curricular Competencies

- Use Social Studies inquiry processes and skills to ask questions; gather, interpret, and analyze ideas; and communicate finds and decisions
- Make reasoned ethical judgments about actions in the past and present, and determine appropriate ways to remember and respond (ethical judgement)

Content

- Contemporary issues in Urban Studies: Social justice issues (livability, food security), Global urban disparity (infrastructure, access to services such as education and health care, quality of and access to jobs), Environmental Factors (air quality, land and water quality)

Foundations of Mathematics and Pre-Calculus 10

Big Ideas

- Analyzing simulations and data allows us to notice trends and relationships

Curricular Competencies

- Model mathematics in contextualized experiences
- Develop, demonstrate and apply conceptual understanding of mathematical ideas
- Engage in problem-solving experiences that are connected to place, story, cultural practices, and perspectives relevant to local First Peoples communities, the local community and other cultures
- Use mathematics to support personal choices
- Connect mathematical concepts to each other and to other areas and personal interests

Content

- Relationships among data, graphs and situations
- Financial literacy: gross and net pay

Workplace Mathematics 10

Big Ideas

- Many relationships can be modelled and interpreted using graphs
- Analyzing simulations and data allows us to notice trends and relationships

Curricular Competencies

- Model mathematics in contextualized experiences
- Develop, demonstrate and apply conceptual understanding of mathematical ideas
- Engage in problem-solving experiences that are connected to place, story, cultural practices, and perspectives relevant to local First Peoples communities, the local community and other cultures
- Use mathematics to support personal choices
- Connect mathematical concepts to each other and to other areas and personal interests

Content

- Puzzles and games for computational fluency
- Financial literacy: gross and net pay

Foundations of Mathematics and Pre-Calculus 11

Big Ideas

- A statistical analysis allows us to notice trends and relationships

Curricular Competencies

- Model mathematics in contextualized experiences
- Develop, demonstrate and apply conceptual understanding of mathematical ideas
- Engage in problem-solving experiences that are connected to place, story, cultural practices, and perspectives relevant to local First Peoples communities, the local community and other cultures
- Use mathematics to support personal choices
- Connect mathematical concepts to each other and to other areas and personal interests

Content

- Financial literacy: investments and loans

Workplace Mathematics 11

Big Ideas

- Mathematics helps us to make informed financial decisions in many situations
- A statistical analysis allows us to notice trends and relationships

Curricular Competencies

- Model mathematics in contextualized experiences
- Develop, demonstrate and apply conceptual understanding of mathematical ideas
- Engage in problem-solving experiences that are connected to place, story, cultural practices, and perspectives relevant to local First Peoples communities, the local community and other cultures
- Use mathematics to support personal choices
- Connect mathematical concepts to each other and to other areas and personal interests

Content

- Financial literacy: investments and loans
- Personal budgeting and planning for significant life purchases

Foundations of Mathematics and Pre-Calculus 12

Big Ideas

- Stories can be told using mathematical evidence and reasoning

Curricular Competencies

- Model mathematics in contextualized experiences
- Develop, demonstrate and apply conceptual understanding of mathematical ideas
- Engage in problem-solving experiences that are connected to place, story, cultural practices, and perspectives relevant to local First Peoples communities, the local community and other cultures
- Use mathematics to support personal choices
- Connect mathematical concepts to each other and to other areas and personal interests

Content

- Mathematics as a tool when conducting research

Science 9

Big Ideas

- The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them

Curricular Competencies

- Demonstrate a sustained intellectual curiosity about a scientific topic or problem of personal interest
- Assess risks and address ethical, cultural and/or environmental issues associated with their proposed methods and those of others
- Experience and interpret the local environment
- Seek and analyze patterns, trends, and connections in data, including describing relationships between variables (dependent and independent) and identifying inconsistencies
- Analyze cause-and-effect relationships
- Connect scientific explorations to careers in science
- Consider social, ethical and environmental implications of the findings from their own and others' investigations
- Contribute to care of self, others, community and world through individual or collaborative approaches
- Transfer and apply learning to new situations

Content

- Matter cycles within biotic and abiotic components of ecosystem
- Sustainability of systems

Science 10

Curricular Competencies

- Demonstrate a sustained intellectual curiosity about a scientific topic or problem of personal interest
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- Contribute to care of self, others, community and world through individual or collaborative approaches
- Transfer and apply learning to new situations

Content

- Local and global impacts of energy transformations from technologies

Science for Citizens 11

Big Ideas

- Science helps us explain how natural changes and human choices affect global systems

Curricular Competencies

- Demonstrate a sustained intellectual curiosity about a scientific topic or problem of personal interest
- Assess risks and address ethical, cultural and/or environmental issues associated with their proposed methods and those of others
- Experience and interpret the local environment
- Seek and analyze patterns, trends, and connections in data, including describing relationships between variables (dependent and independent) and identifying inconsistencies
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- Connect scientific explorations to careers in science
- Consider social, ethical and environmental implications of the findings from their own and others' investigations
- Contribute to care of self, others, community and world through individual or collaborative approaches

Content

- Agriculture practices and processes: environmental impacts, impacts of personal choices

Environmental Science 11

Big Ideas

- Interconnected systems sustain healthy ecosystems
- Ecosystem stability is an important result of sustainability
- Human practices affect the sustainability of ecosystems
- Humans can play a role in conservation and restoration of ecosystems

Curricular Competencies

- Demonstrate a sustained intellectual curiosity about a scientific topic or problem of personal interest
- Assess risks and address ethical, cultural and/or environmental issues associated with their proposed methods and those of others
- Experience and interpret the local environment
- Seek and analyze patterns, trends, and connections in data, including describing relationships between variables (dependent and independent) and identifying inconsistencies
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- Consider social, ethical and environmental implications of the findings from their own and others' investigations
- Contribute to care of self, others, community and world through individual or collaborative approaches
- Transfer and apply learning to new situations

Content

- Processes and changes in local ecosystems: matter cycles, change and stability in ecosystems
- Sustainability in local ecosystems: benefits of healthy ecosystems, humans as agents of change (unsustainable and sustainable ecosystem practices)
- Conservation and restoration of ecosystems: environmental stressors challenge ecosystems integrity, health and sustainability

Environmental Science 12

Big Ideas

- Human actions affect the quality of water and its ability to sustain life
- Sustainable land use and food production will meet the needs of a growing population
- Living sustainably supports the well-being of self, community, and Earth

Curricular Competencies

- Demonstrate a sustained intellectual curiosity about a scientific topic or problem of personal interest
- Assess risks and address ethical, cultural and/or environmental issues associated with their proposed methods and those of others
- Experience and interpret the local environment
- Seek and analyze patterns, trends, and connections in data, including describing relationships between variables (dependent and independent) and identifying inconsistencies
- Analyze cause-and-effect relationships

- Connect scientific explorations to careers in science
- Consider social, ethical and environmental implications of the findings from their own and others' investigations
- Contribute to care of self, others, community and world through individual or collaborative approaches

Content

- Water quality: conservation and personal choices
- Soil quality
- Land use practices
- Global food security and technologies
- Land management and personal choices
- Human health and environmental impacts of population growth

COMPILED BY:

