

Descriptions of Sample Courses

The following descriptions are samples of possible single-credit courses and multiple-credit packages that could be offered in interdisciplinary studies. They are provided to guide, but by no means limit, teachers in the designing of interdisciplinary studies courses and packages. Teachers may develop other interdisciplinary studies courses using courses authorized by other Ontario curriculum policy documents, as long as they develop the courses in accordance with the policies outlined in this curriculum policy document. Approval as locally developed courses is not required for such courses, nor for the sample courses and packages of courses that are described below. However, approval of any locally developed course must be obtained before the course is included in an interdisciplinary studies package of courses, or before expectations from it are included in a single-credit interdisciplinary studies course. This approval must be obtained as outlined in the ministry's policy document entitled *Guide to Locally Developed Courses, Grades 9 to 12: Approval Requirements and Procedures, 2000*.

Model A: Samples of Single-Credit Interdisciplinary Studies Courses

Note: There is no prerequisite for any of the Grade 11 or 12 open courses listed below. The prerequisite for the Grade 12 university preparation courses is any university or university/college preparation course.

Applied Journalism, Grade 11, Open

Credit value: 1

This course combines the expectations for Interdisciplinary Studies, Grade 11, Open with selected expectations from two or more other courses (e.g., Media Arts, Grade 11, Open; The Enterprising Person, Grade 11, Open; Media Studies, Grade 11, Open; Communications Technology, Grade 11, Workplace Preparation).

This course will help students create informative print, media, and electronic products for school and community audiences in diverse formats (e.g., yearbook entries, newspapers, radio and television broadcasts, photojournalism, web pages). Students will investigate sources of information and compare differing perspectives on key issues, developing both a sense of news and news judgement. They will also learn editorial conventions and practices, principles of print and web design, and management skills, and will explore legal and ethical uses of information that is made public, as well as journalism careers.

Faith, Belief, and Imagery, Grade 11, Open

Credit value: 1

This course combines the expectations for Interdisciplinary Studies, Grade 11, Open with selected expectations from two or more other courses (e.g., Visual Arts, Grade 11, Open; World Religions: Beliefs and Daily Life, Grade 11, Open; Philosophy: The Big Questions, Grade 11, Open).

This course examines the role of art and philosophy in the historical and contemporary religious expression of diverse faiths. Students will use comparative and systematic approaches to investigate and research significant themes in and philosophical questions raised by world faiths. They will examine the development of the textual sources, recurring iconography, and artistic representations associated with these faiths; analyse the interplay of faith, culture, and art to comment on the human search for meaning; and apply their findings in the creation of art works that reflect religious themes.

Information Management for Successful Living, Grade 11, Open

Credit value: 1

This course combines the expectations for Interdisciplinary Studies, Grade 11, Open with selected expectations from two or more other courses (e.g., Civics, Grade 10, Open; English, Grade 11, Workplace Preparation; Career Studies, Grade 10, Open; Mathematics for Everyday Life, Grade 11, Workplace Preparation).

This course will help students develop the necessary critical- and creative-thinking skills to maximize their learning opportunities in school and in the workplace. Students will examine how knowledge is structured, developed, managed, and communicated in different disciplines and fields; investigate their rights and responsibilities related to using information as citizens in a democratic society; and analyse their mental habits and skills in using information. Practical projects will focus on how to research and communicate results in real-life situations.

Introduction to Information Studies, Grade 11, Open

Credit value: 1

This course combines the expectations for Interdisciplinary Studies, Grade 11, Open with selected expectations from two or more other courses (e.g., Media Studies, Grade 11, Open; World History to the Sixteenth Century, Grade 11, University/College Preparation; Twentieth-Century History: Global and Regional Perspectives, Grade 11, Open; Philosophy: The Big Questions, Grade 11, Open; Computer and Information Science, Grade 11, University/College Preparation).

This course examines the evolution and impact of information and information technologies on society, from the beginnings of writing to the development of the World Wide Web. Students will apply methods of inquiry and research used in different disciplines to investigate how knowledge and learning have been valued in different cultures and periods. They will also reflect on diverse ways of knowing and on areas of knowledge, examine the growth of knowledge institutions such as universities and libraries, and develop an understanding of the human need to create personal meaning, to use information to solve problems, and to communicate knowledge, scholarship, and values in a global society.

Sports and Society, Grade 11, Open

Credit value: 1

This course combines the expectations for Interdisciplinary Studies, Grade 11, Open with selected expectations from two or more other courses (e.g., Dance, Grade 11, Open; Introduction to Business, Grade 10, Open; English, Grade 11, University, College, or Workplace Preparation; Healthy Active Living Education, Grade 11, Open).

This course explores the role of sports and athletics in history and in various cultures. Using diverse resources and research methods, students will analyse the depiction of sports and health in media and literature and will examine trends in the business and communication of sports-related activities. They will also explore the importance of personal fitness and healthy living, the relationship between amateur and professional sports, and local and provincial opportunities and careers in sports, outdoor education, and physical activity.

Archaeological Studies, Grade 12, University Preparation

Credit value: 1

This course combines the expectations for Interdisciplinary Studies, Grade 12, University Preparation with selected expectations from two or more other courses (e.g., Canada: History, Identity, and Culture, Grade 12, University Preparation; Classical Civilization, Grade 12, University Preparation; Earth and Space Science, Grade 12, University Preparation; Introduction to Anthropology, Psychology, and Sociology, Grade 11, University/College Preparation; Mathematics of Data Management, Grade 12, University Preparation).

This course examines methods of archaeological surveying, excavating, artifact collecting, and field interpretation. Students will review the history of archaeology and investigate the development of archaeological theory. Using diverse research methods and field study, they will also examine archaeological evidence in local, national, and/or international museums and sites; learn to analyse archaeological materials, apply data management skills, and create field maps and cross-sectional drawings of archaeological phenomena; and investigate archaeological careers and legal, ethical, and technological issues regarding archaeological investigation.

Building Financial Security, Grade 12, University Preparation

Credit value: 1

This course combines the expectations for Interdisciplinary Studies, Grade 12, University Preparation with selected expectations from two or more other courses (e.g., Principles of Financial Accounting, Grade 12, University/College Preparation; Analysing Current Economic Issues, Grade 12, University Preparation; Mathematics of Data Management, Grade 12, University Preparation; Challenge and Change in Society, Grade 12, University/ College Preparation).

This course investigates financial management, capital markets, and ways in which capital is acquired. Students will use diverse information skills, resources, and technologies to gather information related to a variety of Canadian and international financial institutions, investigate the conceptual and mathematical foundations of increasing net worth, and examine investment in the stock market (e.g., the risks and safeguards in stock trading, stocks as investments, creating investment portfolios). They will also analyse the social impact of personal and corporate investment decisions and will learn to solve problems through theoretical investigation, systems thinking approaches, and case studies.

Issues in Human Rights, Grade 12, University Preparation

Credit value: 1

This course combines the expectations for Interdisciplinary Studies, Grade 12, University Preparation with selected expectations from two or more other courses (e.g., Canadian and World Politics, Grade 12, University Preparation; Canadian and International Law, Grade 12, University Preparation; Studies in Literature, Grade 12, University Preparation; Media Studies, Grade 11, Open).

This course involves the examination of case studies related to modern human rights issues (e.g., child labour, the treatment of Japanese Canadians during World War II, the Holocaust, apartheid, genocide in Rwanda) and the exploration of individual and societal rights and

responsibilities. Students will use interdisciplinary approaches, resources, and research methods to investigate human rights themes in literature and media, and to examine the development of national and international laws that support or negate human rights. They will also analyse real-life situations and suggest solutions that demonstrate their awareness of the social contexts of those situations.

Music and Society, Grade 12, University Preparation

Credit value: 1

This course combines the expectations for Interdisciplinary Studies, Grade 12, University Preparation with selected expectations from two or more courses (e.g., Music, Grade 12, University/College Preparation; World History: The West and the World, Grade 12, University Preparation; Studies in Literature, Grade 12, University Preparation; Introduction to Anthropology, Psychology, and Sociology, Grade 11, University/College Preparation; Technological Design, Grade 12, University/College Preparation).

This course explores the role that music plays in the aesthetic, cultural, social, religious, and political life of past and contemporary societies around the world. Using an interdisciplinary approach, students will examine such topics as the evolution of specific musical forms and styles, the role of the musician, the development of musical instruments and ensembles, the importance of music in ritual and storytelling, the relationship of non-Western and Western musical traditions, and the influence of music on literature and other arts. This course also introduces resources, research methods, and case studies related to the field of musicology. Students studying music or building musical instruments in a technical design course will find this course of particular interest.

Studies in Education, Grade 12, University Preparation

Credit value: 1

This course combines the expectations for Interdisciplinary Studies, Grade 12, University Preparation with selected expectations from two or more other courses (e.g., Advanced Learning Strategies: Skills for Success After Secondary School, Grade 12, Open; Aboriginal Beliefs, Values, and Aspirations in Contemporary Society, Grade 11, College Preparation; Classical Civilization, Grade 12, University Preparation; Issues in Human Growth and Development, Grade 12, University/College Preparation).

This course will help students understand the personal and societal role of schooling and education. Using interdisciplinary approaches, resources, and research methods, students will examine the history of education in various societies and cultures and the contribution of key educational theorists and practitioners. They will also compare learning theories and teaching strategies used in various disciplines, investigate learning opportunities in Canada and around the world, research education-based careers, and assess their own plans for lifelong learning. Students planning to pursue university programs in education will find this course of particular interest.

Utopian Societies: Visions and Realities, Grade 12, University Preparation*Credit value:* 1

This course combines the expectations for Interdisciplinary Studies, Grade 12, University Preparation with selected expectations from two or more other courses (e.g., Visual Arts, Grade 12, University/College Preparation; World History: The West and the World, Grade 12, University Preparation; Classical Civilization, Grade 12, University Preparation; Studies in Literature, Grade 12, University Preparation; Challenge and Change in Society, Grade 12, University/College Preparation; Philosophy: The Big Questions, Grade 11, Open; World Religions: Beliefs, Issues, and Religious Traditions, Grade 11, University/College Preparation).

This course provides students with opportunities to use a wide range of information resources and research skills to analyse the purposes, features, and impact of significant historical and fictional designs for perfecting society. Using an interdisciplinary approach, students will explore how utopian fiction and experiments (e.g., Robert Owen's model industrial town of New Lanark, Scotland) question the assumptions of past and current societies. Students will also assess the influence, success, and failure of utopian solutions to effect change and to produce a just society, and will then present their own vision of the future.

Aging and Society, Grade 12, Open*Credit value:* 1

This course combines the expectations for Interdisciplinary Studies, Grade 12, Open with selected expectations from two or more other courses (e.g., Challenge and Change in Society, Grade 12, University/College Preparation; Child Development and Gerontology, Grade 12, College Preparation; Healthy Active Living Education, Grade 12, Open; Studies in Literature, Grade 12, College Preparation).

This course explores issues related to aging in modern Canadian society. Using interdisciplinary sources and methodologies, students will examine a wide range of gerontological issues such as cultural perspectives on aging and the elderly; the role of healthy living and health care; the provision of housing, retirement, and financial security; the particular concerns of men and women; the prevention of elder abuse and isolation; and end-of-life care. Students will be encouraged to work with aging adults to address real-life issues in their communities.

Architectural Studies, Grade 12, Open*Credit value:* 1

This course combines the expectations for Interdisciplinary Studies, Grade 12, Open with selected expectations from two or more other courses (e.g., Visual Arts, Grade 12, University/College Preparation; World Geography: Urban Patterns and Interactions, Grade 12, College Preparation; Classical Civilization, Grade 12, University Preparation; Mathematics for Everyday Life, Grade 12, Workplace Preparation).

This course introduces students to the field of architecture and will help them understand how they can affect their physical environments in positive ways. Students will explore how architecture, landscaping, and urban planning relate to each other and will analyse the social, economic, and political impact of key examples of architectural design from a variety of cultures and periods. Using diverse resources and research methods, they will investigate the training of architects today and in the past, required competencies from different disciplines such as mathematics and geography, and career opportunities related to architecture.

Information and Citizenship, Grade 12, Open

Credit value: 1

This course combines the expectations for Interdisciplinary Studies, Grade 12, Open with selected expectations from two or more other courses (e.g., Issues of Indigenous Peoples in a Global Context, Grade 12, University/College Preparation; Canadian and International Law, Grade 12, University Preparation; Communications Technology, Grade 12, University/College Preparation).

This course explores Canadian and international law and policy regarding the use of information in society. Students will analyse historical and contemporary sources from a variety of disciplines to determine specific legal issues arising from society's use of information. They will investigate criminal laws and procedures regarding privacy and security, including those involving patents, copyright, and intellectual property. They will also examine the access to and creation, storage, and use of information for private and public purposes, and will apply methods of inquiry and research used by legal practitioners to solve problems.

Information Management and Community Leadership, Grade 12, Open

Credit value: 1

This course combines the expectations for Interdisciplinary Studies, Grade 12, Open with selected expectations from two or more other courses (e.g., Entrepreneurial Studies: Venture Planning, Grade 12, College Preparation; Recreation and Fitness Leadership, Grade 12, College Preparation; Challenge and Change in Society, Grade 12, University/College Preparation).

This course develops information-based knowledge and skills that prepare students for leadership in society. Students will focus on the use of technological resources and applications to plan, implement, communicate, and assess appropriate activities and programs in the local community, such as recreational and fitness events, art exhibitions and promotion, business enterprises, and civic presentations. They will also learn to manage a wide range of school, community, and global resources and will examine the social contexts and potential opportunities for providing leadership to diverse groups and ages.

Learning and Mathematics, Grade 12, Open

Credit value: 1

This course combines the expectations for Interdisciplinary Studies, Grade 12, Open with selected expectations from two or more other courses (e.g., Advanced Learning Strategies: Skills for Success After Secondary School, Grade 12, Open; Issues in Human Growth and Development, Grade 12, University/College Preparation; College and Apprenticeship Mathematics, Grade 12, College Preparation).

This course provides an introduction to the learning and teaching of mathematics. Students will analyse the ways in which people acquire mathematical knowledge and skills, including their own and others' learning styles, the conceptual stages in learning mathematics, the visual representation of data, the use of models and manipulatives, and the technological communication of mathematical situations. They will also tutor younger students to explore the methods of early childhood and elementary teaching, and they will investigate career opportunities in this field. Students planning to pursue university and college programs in education will find this course of particular interest.

Model B: Samples of Interdisciplinary Studies Packages of Courses

Note: For all of the following packages, students must satisfy the prerequisite for each of the courses in the package.

Applied Design, Grade 11, Open

Credit value: 2

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 11, Open, as well as all the expectations from the following two component courses: Communications Technology, Part 1, Grade 10, Open (half credit); Media Arts, Part 1, Grade 10, Open (half credit). (See the policy on half-credit courses in packages of courses described on page 7 and the general policy on half-credit courses on pages 8 and 9.)

This package of courses will help students apply design concepts and current communications technologies as they create a variety of media and multimedia projects for a variety of audiences. Students will use diverse information-management strategies to research examples of uses (both successful and unsuccessful) of the elements and principles of design and will learn how to use these elements and principles to create original designs for such products as brochures, posters, exhibits, fashion projects, animated films, magazines, and web pages.

Community Environmental Leadership, Grade 11, Open

Credit value: 5

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 11, Open, as well as all the expectations from the following five component courses: English, Grade 11, University, College, or Workplace Preparation; Career Studies, Grade 10, Open (half credit); Civics, Grade 10, Open (half credit); Healthy Active Living Education, Grade 11, Open (Outdoor Focus); Living and Working with Children, Grade 11, College Preparation.

This package of courses focuses on four main themes: developing community living skills, relating to the natural world, developing leadership skills, and living responsibly on this earth. Students will learn about ethical decision making and about the political process by conducting interdisciplinary research on different environmental issues. They will also explore their local bioregion and run an appropriate outdoor environmental education program for elementary students.

Faith and Culture, Grade 11, Open

Credit value: 3

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 11, Open, as well as all the expectations from the following two component courses: English, Grade 11, University, College, or Workplace Preparation; World Religions: Beliefs and Daily Life, Grade 11, Open.

This package of courses examines the relationship between religious and cultural expression in daily life. Students will compare a wide variety of scriptures and interpretations of scriptures as they examine such themes as social norms, the role of religious institutions and communities, and the use of traditional and contemporary technologies to communicate message and experience. They will also research the influence of religious traditions on literary texts and will demonstrate their understanding by creating such interdisciplinary products as documentary interviews or an interactive website.

Hospitality Management, Grade 11, Open

Credit value: 3

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 11, Open, as well as all the expectations from the following two component courses: Introduction to Marketing, Grade 11, College Preparation; Hospitality, Grade 11, College Preparation.

This package of courses will help students gain some of the skills, knowledge, and practical experience required for success in the hospitality and tourism industry. Students will examine the relationships among marketing, the local economy, and the hospitality-tourism industry, conduct interdisciplinary research into successful and unsuccessful hospitality or tourism ventures, and analyse the effects of quality improvement and its financial impact on a tourism organization. An integral part of the course will be work experience in local hospitality and tourism venues.

Local Field Studies and Community Links, Grade 11, Open

Credit value: 4

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 11, Open, as well as all the expectations from the following three component courses: Healthy Active Living Education, Grade 11, Open (Outdoor Focus); The Environment and Resource Management, Grade 12, University/College Preparation; Field Ecology, Grade 11, University/College Preparation (locally developed course for which ministry approval has already been obtained).

This package of courses will develop students' interdisciplinary knowledge and skills in the areas of ecological fieldwork, data gathering, leadership, citizenship, and outdoor living. Through hands-on field studies, research activities, extended field trips, and projects with a community partner, students will plan, organize, and implement a community-based environmental project that focuses on issues such as endangered species, biodiversity, sustainability, and environmental ethics. They will also help run a residential environmental education camp for elementary students.

Small Business Operations, Grade 11, Open

Credit value: 2

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 11, Open, as well as all the expectations from the following two component courses: Technological Design, Part 1, Grade 11, Workplace Preparation (half credit); The Enterprising Person, Part 1, Grade 11, Open (half credit). (See the policy on half-credit courses in packages of courses described on page 7 and the general policy on half-credit courses on pages 8 and 9.)

This package of courses will give students the opportunity to apply entrepreneurial and design skills either to school-community projects or to potential working ventures. Students will analyse the specific needs of an identified market, research examples of successful and unsuccessful small businesses, use systems thinking approaches to design prototypes, and develop proposals for new ventures. Students will also examine their strengths and skills for current and future employment in small business operations.

Biology and Human Development, Grade 12, University Preparation

Credit value: 3

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 12, University Preparation, as well as all the expectations from the following two component courses: Biology, Grade 12, University Preparation; Challenge and Change in Society, Grade 12, University/College Preparation.

This package of courses investigates the theory and applications of biology, as well as emerging social trends. Students will investigate the different perspectives of biology, sociology, and psychology on personal development and social change. They will also use diverse resources and interdisciplinary approaches to research current social issues facing humans and the environment and assess career opportunities and possible innovations in related fields.

Biotechnology, Grade 12, University Preparation

Credit value: 3

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 12, University Preparation, as well as all the expectations from the following two component courses: Biology, Grade 12, University Preparation; Chemistry, Grade 12, University Preparation.

This package of courses will help students explore the developing field of biotechnology by investigating the relationships between biology and chemistry that are relevant to biotechnology. Students will use diverse resources and interdisciplinary approaches to research biotechnology developments, trends, products, and careers in such diverse fields as health care, agriculture, forestry, and marine life. They will also evaluate the economic, political, social, cultural, environmental, and ethical issues raised by biotechnology.

Children's Literature, Grade 12, University Preparation

Credit value: 3

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 12, University Preparation, as well as all the expectations from the following two component courses: Studies in Literature, Grade 12, University Preparation; Visual Arts, Grade 12, University/College Preparation.

This package of courses examines the historical and contemporary development of illustrated children's books in Canada and around the world. Students will use diverse methods of interdisciplinary inquiry and research to analyse cultural, social, and literary forces in texts written for children, as well as how text is combined with a range of forms, styles, and methods of illustration and materials. Students will produce a body of work that emphasizes the relationship of, and personal approaches to, visual and literary information. They will also develop an appreciation of multicultural works that will deepen their understanding of Canada's diversity.

Information and Civilization, Grade 12, University Preparation

Credit value: 3

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 12, University Preparation, as well as all the expectations from the following two component courses: Classical Civilization, Grade 12, University Preparation; World Religions: Beliefs, Issues, and Religious Traditions, Grade 11, University/College Preparation.

This package of courses examines the role that information and information systems throughout human history have played in the development of religious and cultural expression, political and

economic structures, and education systems. Students will analyse primary and secondary sources of information about past civilizations and will examine how humans have created, organized, stored, and communicated information to further knowledge and beliefs. To develop their understanding of the evolution of the human response to changes in information systems and technologies, students will complete interdisciplinary research and then present their findings in a variety of forms.

Knowledge Management and the Learning Organization, Grade 12, University Preparation

Credit value: 3

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 12, University Preparation, as well as all the expectations from the following two component courses: Organizational Studies: Organizational Behaviour and Human Resources, Grade 12, University/College Preparation; Challenge and Change in Society, Grade 12, University/College Preparation.

This package of courses focuses on management's role in helping staff learn effective ways of solving problems and making decisions, and emphasizes how managing information well and networking promote organizational learning, growth, and the ability to adapt to change. Students will examine and apply interdisciplinary strategies that business organizations use to process a wide range of information, store corporate data, share knowledge within an organization, and evaluate the impact of business decisions and innovations.

Mathematical Modelling and Applied Programming, Grade 12, University Preparation

Credit value: 3

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 12, University Preparation, as well as all the expectations from the following two component courses: Mathematics of Data Management, Grade 12, University Preparation; Computer and Information Science, Grade 12, University/College Preparation.

This package of courses will help students extend the methods of the mathematics of data management to computer programming. Students will learn to design efficient algorithms and apply them to write computer programs to solve a variety of real-life problems. They will research and apply the relationships between mathematics and computer programming to explore, in creative, interdisciplinary ways, problems in computer application design, information systems design, and transportation and scheduling problems.

Arts Administration, Grade 12, Open

Credit value: 3

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 12, Open, as well as all the expectations from the following two component courses: Exploring the Arts, Grade 12, Open; Organizational Studies: Managing a Small Business, Grade 12, Workplace Preparation.

This package of courses explores the relationship between the arts and business. Using diverse resources and research methods, students will examine how the arts are promoted in contemporary society and apply that knowledge to develop an interdisciplinary project involving one or more of the arts disciplines aimed at a specific target audience. They will also link artistic endeavours and business management structures effectively, demonstrating a range of creative decision-making and problem-solving strategies.

Biotechnology, Grade 12, Open

Credit value: 3

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 12, Open, as well as all the expectations from the following two component courses: Biology, Grade 11, College Preparation; Chemistry, Grade 12, College Preparation.

This package of courses will help students investigate biotechnological developments, products, and careers in such diverse fields as health care, agriculture, forestry, and marine life. Students will examine how biotechnology firms operate and acquire the knowledge and skills necessary both for admission into a biotechnology program at a community college and for success in their working lives. Using diverse resources and research methods, they will also evaluate the economic, political, social, cultural, environmental, and ethical issues raised in this developing field.

Indigenous Peoples in the Information Age, Grade 12, Open

Credit value: 3

This package of courses consists of the expectations for Interdisciplinary Studies, Grade 12, Open, as well as all the expectations from the following two component courses: Issues of Indigenous Peoples in a Global Context, Grade 12, University/College Preparation; Media Studies, Grade 11, Open.

This package of courses examines, within the context of information and communications media, existing and emerging issues that are important to indigenous peoples worldwide. Students will conduct interdisciplinary research into the challenges posed by information and communications media and technologies to the social, political, economic, and cultural life and aspirations of indigenous peoples. They will analyse diverse sources of information (e.g., oral, print, and electronic) relating to indigenous peoples, and will also investigate how indigenous peoples use traditional and emergent information technologies to affirm their identity in the global economy.

Science and the Community, Grade 12, Open

Credit value: 3

This package of courses will emphasize the rights and responsibilities associated with the scientific applications of such information technologies as the Internet and databases (e.g., regarding genetic patents and organ registry). This package consists of the expectations for Interdisciplinary Studies, Grade 12, Open, as well as all the expectations from the following two component courses: English, Grade 12, Workplace Preparation; Science, Grade 12, Workplace Preparation.

This package of courses prepares students for a lifelong involvement with science-related projects and activities in their local community. Students will learn to formulate and research questions about science topics of immediate and future concern, to use practical methods for accessing a range of sources of scientific information, and to analyse, organize, and communicate scientific information effectively. They will also examine the interdisciplinary processes that will help them responsibly apply scientific solutions to problems in their community and at the national and international levels.