



BIG IDEAS

Social, ethical, and sustainability considerations impact design and decision making.

Ethical marketing contributes to a healthier global marketplace.

Different technologies and tools are required at different stages of creation and communication.

Learning Standards

Curricular Competencies	Content
<p><i>Students are expected to be able to do the following:</i></p> <p>Applied Design</p> <p><i>Understanding context</i></p> <ul style="list-style-type: none">Engage in a period of research and empathetic observation <p><i>Defining</i></p> <ul style="list-style-type: none">Identify potential users for a chosen entrepreneurship and/or design opportunityIdentify criteria for success, intended impact, and any constraints <p><i>Ideating</i></p> <ul style="list-style-type: none">Take creative risks in generating ideas and add to others' ideas in ways that enhance themScreen ideas against criteria and constraintsCritically analyze and prioritize competing factors to meet community needs for preferred futuresMaintain an open mind about potentially viable ideas <p><i>Prototyping</i></p> <ul style="list-style-type: none">Identify and use sources of inspiration and informationChoose a form and develop a plan that includes key stages and resourcesEvaluate a variety of materials for effective use and potential for reuse, recycling, and biodegradabilityMake changes to tools, materials, and procedures as neededRecord iterations of prototyping	<p><i>Students are expected to know the following:</i></p> <ul style="list-style-type: none">entrepreneurship opportunitiescharacteristics of entrepreneurscreative ways to add value to an existing idea or productethics of cultural appropriationdifferences between invention and innovationbarriers that diverse groups of entrepreneurs face and factors that can contribute to their successlife cycle of a product from invention/innovation to the marketplaceethical marketing strategiesforms of marketingonline marketing conceptscustomer needs, wants, and demands

**Learning Standards (continued)**

Curricular Competencies	Content
<p>Testing</p> <ul style="list-style-type: none">Identify sources of feedbackEvaluate choices and decisionsRecreate or abandon the idea <p>Making</p> <ul style="list-style-type: none">Identify and use appropriate tools, technologies, materials, and processes for productionMake a step-by-step plan for production and carry it out, making changes as neededUse materials in ways that minimize waste <p>Sharing</p> <ul style="list-style-type: none">Decide on how and with whom to share product and processesDemonstrate product providing a rationale for the selected solution, modifications, and proceduresUse appropriate terminologyCritically evaluate the success of the product, and explain how it makes a contribution to people and/or the environmentCritically reflect on their design thinking and processesAssess their ability to work effectively both as individuals and collaboratively in a group, including ability to share and maintain an efficient co-operative workspaceIdentify new goals that result from feedback <p>Applied Skills</p> <ul style="list-style-type: none">Demonstrate an awareness of precautionary and emergency safety procedures in both physical and digital environmentsIdentify the skills needed in relation to specific projects, and develop and refine them	



Ministry of Education

Area of Learning: APPLIED DESIGN, SKILLS, AND TECHNOLOGIES — Entrepreneurship and Marketing

Grade 10

Learning Standards (continued)

Curricular Competencies	Content
<p>Applied Technologies</p> <ul style="list-style-type: none">Choose, adapt, and if necessary learn more about appropriate tools and technologies to use for tasksEvaluate impacts, including unintended negative consequences, of choices made about technology useEvaluate the influences of land, natural resources, and culture on the development and use of tools and technologies	

APPLIED DESIGN, SKILLS, AND TECHNOLOGIES – Entrepreneurship and Marketing Grade 10

Curricular Competencies – Elaborations

- **research:** may include knowledge from other people as experts, secondary sources, and collective pools of knowledge in communities and collaborative atmospheres both online and offline
- **empathetic observation:** may include experiences; traditional cultural knowledge and approaches; First Peoples worldviews, perspectives, knowledge, and practices; places, including the land and its natural resources and analogous settings; users, experts, and thought leaders
- **constraints:** limiting factors such as task or user requirements, materials, expense, environmental impact
- **factors:** social, ethical, and sustainable
- **sources of inspiration:** may include personal experiences, exploration of First Peoples perspectives and knowledge, the natural environment, places, cultural influences, social media, users and experts
- **plan:** for example, goals, sketches, checklists
- **iterations:** repetitions of a process with the aim of approaching a desired result
- **sources of feedback:** may include First Nations, Métis, or Inuit community experts; keepers of other traditional cultural knowledge and approaches; peers, users, and other experts
- **technologies:** tools that extend human capabilities
- **share:** may include showing to others, use by others, giving away, or marketing and selling
- **product:** for example, a physical object, a process, a system, a service, or a designed environment
- **impacts:** personal, social, and environmental

APPLIED DESIGN, SKILLS, AND TECHNOLOGIES – Entrepreneurship and Marketing Grade 10

Content – Elaborations

- **characteristics:** creative, flexible, tenacious; critical thinkers, communicators, collaborators, risk takers
- **cultural appropriation:** use of a cultural motif, theme, “voice”, image, knowledge, story, song, or drama, shared without permission or without appropriate context or in a way that may misrepresent the real experience of the people from whose culture it is drawn
- **invention:** an original idea
- **innovation:** changing an existing idea, product, or service into something new
- **diverse groups:** for example, First Peoples, women, new immigrants; people with diverse abilities
- **ethical marketing:** for example, socially responsible and culturally sensitive
- **forms of marketing:** responsive, anticipative, and shaped to address customer needs
- **online marketing concepts:** social media, viral marketing