**Area of Learning: Applied Design, Skills, and Technologies —
Housing and Living Environments Grade 12**

**BIG IDEAS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Services and products can be designed through consultation and collaboration. |  | **Service design** interests require the evaluation and refinement of problem-solving skills. |  | Tools and technologies can influence communications and relationships. |

**Learning Standards**

|  |  |
| --- | --- |
| **Curricular Competencies** | **Content** |
| *Students are expected to be able to do the following:*Applied DesignUnderstanding context* Engage in **research** and **empathetic observation** to determine service design opportunities and barriers

Defining* Establish a point of view for a chosen service design opportunity
* Identify context and requirements and wishes of people involved
* Identify criteria for success, intended **valued impact**, **constraints**, and possible unintended negative consequences

Ideating* Take creative risks in generating ideas and add to others’ ideas in ways that enhance them
* Screen ideas against criteria and constraints
* Analyze potential **competing factors** to meet individual, family, and community needs for preferred futures
* Identify, prioritize, and apply **sources of inspiration** and **information**, and include people involved when possible
 | *Students are expected to know the following:** **service design opportunities** that include housing and living environments
* building, architectural, and interior design methods
* materials that enhance and improve a living space, including elements and principles of design
* **societal trends**, including **ethical, environmental, and political factors** and how they affect shelter/housing needs
* **influences** on **housing options**
* traditional and contemporary First Peoples **living arrangements and housing options** and the importance of sense of place
* **considerations for individual and family needs** with respect to living space
* **laws and regulations** related to shelter and housing
* **financial considerations** involved in housing
* cultural sensitivity and etiquette, including ethics of **cultural appropriation**
 |

**Area of Learning: Applied Design, Skills, and Technologies —
Housing and Living Environments Grade 12**

**Learning Standards (continued)**

|  |  |
| --- | --- |
| **Curricular Competencies** | **Content** |
| Prototyping* Develop a productand/or **service plan** that includes key stages and resources
* Evaluate strategies for effective use and possible individual, familial, and community **impacts**

Testing* Identify and access **sources of feedback**
* Consult with people involved to gather constructive suggestions for improvement
* Use consultation data and feedback to make appropriate changes
* Identify and use **appropriate strategies**
* Use **project management processes** throughout when working individually or collaboratively

Sharing* **Share** progress to increase opportunities for feedback and collaboration
* Decide on how and with whom to share or promote **product or service** and strategies
* Critically reflect on the success of product or service plan and explain how the ideas contribute to the individual, family, or community
* Critically reflect on their plans, processes, and ability to work effectively, both individually and collaboratively, including their ability to share and maintain an efficient co-operative workspace
 |  |

**Area of Learning: Applied Design, Skills, and Technologies —
Housing and Living Environments Grade 12**

**Learning Standards (continued)**

|  |  |
| --- | --- |
| **Curricular Competencies** | **Content** |
| Applied Skills* Apply precautionary, safe, and supportive interpersonal strategies and communications, both face-to-face and digital
* Identify and assess the skills needed, individually or collaboratively, in relation to projects, and develop plans to refine them over time
* Critically reflect on cultural sensitivity and etiquette skills, and develop plans to learn or refine them over time
* Apply audience-appropriate **interviewing and consultation etiquette**

Applied Technologies* Explore existing, new, and emerging tools and **technologies** and evaluate suitability for design interests
* Evaluate impacts, including unintended negative consequences, of choices made about technology use
* Analyze the role technologies play in designed environments and societal change
* Examine how cultural beliefs, values, and ethical positions affect the development and use of technologies
 |  |