**Area of Learning: Applied Design, Skills, and Technologies —
Child Development and Caregiving Grade 12**

**BIG IDEAS**

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

**Learning Standards**

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| **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 child development and caregiving
* legal rights and responsibilities of **caregivers**, including ensuring children’s welfare and safety
* pregnancy, including **health practices** for conception and during pregnancy, prenatal development, and methods of childbirth and delivery
* theories of child development, including **cultural influences**, and how and why theories change over time
* stages of child development from birth to age 12, including cognitive, social, physical, and emotional development, and language and speech
* role of play in human development and learning
* nutritional needs and **feeding practices** for children of various ages, including **external influences** on these practices
* theories of caregiving styles and impacts on child development
* child care options locally and internationally, **influences** on these options, and community resources that offer services to children and caregivers
* **service strategies for children and families**
* cultural sensitivity and etiquette, including ethics of **cultural appropriation**
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**Learning Standards (continued)**

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| **Curricular Competencies** | **Content** |
| Prototyping* Develop a product and/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 evaluate the success of their product or service 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
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**Learning Standards (continued)**

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| **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 specific 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 service design interests
* Evaluate impacts, including unintended negative consequences, of choices made about technology use
* Analyze the role technologies play in societal change and interpersonal communications
* Examine how cultural beliefs, values, and ethical positions affect the development and use of technologies
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