

## Area of Learning: APPLIED DESIGN, SKILLS, AND TECHNOLOGIES Kindergarten–Grade 3

		<b>BIG IDEAS</b>		
	Designs grow out of natural curiosity.	Skills can be developed through play.	Technologies are tools that extend human capabilities.	
		Learning Standards		
Curricular Competenci	ies		Content	
Applied Design Ideating • Identify needs ar		exploration	Students are expected to use the learning standards for Curricular Competencies from Applied Design, Skills, and Technologies K–3 in combination with grade-level content from other areas of learning in cross-curricular activities to develop foundational mindsets and skills in design thinking and making.	
	d materials t using known procedures or through m or to make changes, solve problems, o		hers	
<ul> <li>Demonstrate the their product cor</li> <li>Use personal presented of the terminal presented of terminal presented of</li></ul>	and with whom to <b>share</b> their product eir product, tell the story of designing ar htributes to the individual, family, comm eferences to evaluate the success of the ability to work effectively both as individ	nunity, and/or environment neir design solutions	ow	
<ul> <li>Applied Skills</li> <li>Use materials, tools, and technologies in a safe manner in both physical and digital environments</li> <li>Develop their skills and add new ones through play and collaborative work</li> </ul>				
Applied Technologies	<b>C</b> . <i>T</i>			



BIG IDEAS						
Creative expression develops our unique identity and voice.		Inquiry through the <b>arts</b> creates opportunities for <b>risk taking</b> .		Dance, drama, music, and visual arts are each unique languages for creating and communicating.		People connect to the hearts and minds of others in a variety of places and times through the <b>arts</b> .

Curricular Competencies	Content
Students will be able to use creative processes to:	Students are expected to know the following:
<ul> <li>Exploring and creating <ul> <li>Explore elements, processes, materials, movements, technologies, tools, and techniques of the arts</li> <li>Create artistic works collaboratively and as an individual using ideas inspired by imagination, inquiry, experimentation, and purposeful play</li> <li>Explore personal experience, community, and culture through arts activities</li> </ul> </li> <li>Reasoning and reflecting <ul> <li>Observe and share how artists (dancers, actors, musicians, and visual artists) use processes, materials, movements, technologies, tools, and techniques</li> <li>Develop processes and technical skills in a variety of art forms to refine artistic abilities</li> <li>Reflect on creative processes and make connections to other experiences</li> </ul> </li> </ul>	<ul> <li>elements in the arts, including but not limited to:         <ul> <li>dance: body, space, dynamics, time, relationships, form</li> <li>drama: character, time, place, plot, tension</li> <li>music: beat/pulse, duration, rhythm, tempo, pitch, timbre, dynamics, form, texture</li> <li>visual arts: elements of design: line, shape, texture, colour, form; principles of design: pattern, repetition, rhythm, contrast</li> </ul> </li> <li>processes, materials, technologies, tools, and techniques to support arts activities</li> <li>notation to represent sounds, ideas, and movement</li> <ul> <li>a variety of dramatic forms</li> </ul> </ul>
<ul> <li>Communicating and documenting</li> <li>Interpret symbolism and how it can be used to express meaning through the arts</li> <li>Express feelings, ideas, stories, observations, and experiences through creative works</li> <li>Describe and respond to works of art</li> <li>Experience, document and share creative works in a variety of ways</li> <li>Demonstrate increasingly sophisticated application and/or engagement of curricular content</li> </ul>	<ul> <li>symbolism as a means of expressing specific meaning</li> <li>traditional and contemporary Aboriginal arts and arts-making processes</li> <li>a variety of local works of art and artistic traditions from diverse cultures, communities, times, and places</li> <li>personal and collective responsibility associated with creating, experiencing, or sharing in a safe learning environment</li> </ul>



## Area of Learning: CAREER EDUCATION

BIG IDEAS								
Confidence develops through the process of	Strong communities are the result of being connected to family and community and working together		Effective collaboration relies on clear, respectful		Everything we learn helps us to develop		Communities include many different roles requiring many	Learning is a lifelong enterprise.
self-discovery.	toward common goals.		communication.		skills.		different skills.	enterprice.

Curricular Competencies	Content
<ul> <li>Curricular Competencies</li> <li>Students are expected to be able to do the following: <ul> <li>Identify and appreciate their personal attributes, skills, interests, and accomplishments</li> <li>Recognize the importance of positive relationships in their lives</li> <li>Share ideas, information, personal feelings, and knowledge with others</li> <li>Work respectfully and constructively with others to achieve common goals</li> <li>Recognize the importance of learning in their lives and future careers</li> <li>Set and achieve realistic learning goals for themselves</li> <li>Identify and appreciate the roles and responsibilities of people in their schools, families, and communities</li> </ul> </li> </ul>	Content Students are expected to know the following: Personal Development      goal-setting strategies     risk taking and its role in self-exploration Connections to Community      cultural and social awareness     roles and responsibilities at home, at school, and in the local community     jobs in the local community
<ul> <li>Demonstrate effective work habits and organizational skills appropriate to their level of development</li> <li>Recognize the basic skills required in a variety of jobs in the community</li> </ul>	



## **BIG IDEAS**

	Language and	Stories and other texts	Everyone has	Through listening and	Playing with	Curiosity and wonder lead
	story can be a	connect us to ourselves,	a unique <b>story</b>	speaking, we connect	language helps us	us to new discoveries
	source of creativity	our families, and our	to share.	with others and share	discover how	about ourselves and the
	and joy.	communities.		our world.	language works.	world around us.
L						

Curricular Competencies	Content
<ul> <li>Using oral, written, visual, and digital texts, students are expected individually and collaboratively to be able to:</li> <li>Comprehend and connect (reading, listening, viewing) <ul> <li>Read fluently at grade level</li> <li>Use sources of information and prior knowledge to make meaning</li> <li>Use developmentally appropriate reading, listening, and viewing strategies to make meaning</li> <li>Recognize how different text structures reflect different purposes.</li> <li>Engage actively as listeners, viewers, and readers, as appropriate, to develop understanding of self, identity, and community</li> <li>Demonstrate awareness of the role that story plays in personal, family, and community identity</li> <li>Use personal experience and knowledge to connect to stories and other texts to make meaning</li> <li>Recognize the structure and elements of story</li> <li>Show awareness of how story in First Peoples cultures connects people to family and community</li> </ul> </li> <li>Create and communicate (writing, speaking, representing)</li> <li>Exchange ideas and perspectives to build shared understanding</li> <li>Create stories and other texts to deepen awareness of self, family, and community</li> <li>Plan and create a variety of communication forms for different purposes and audiences</li> <li>Communicate using sentences and most conventions of Canadian spelling, grammar, and punctuation</li> <li>Explore oral storytelling processes</li> </ul>	Students are expected to know the following: Story/text • elements of story • literary elements and devices • text features • vocabulary associated with texts Strategies and processes • reading strategies • oral language strategies • metacognitive strategies • writing processes Language features, structures, and conventions • features of oral language • word patterns, word families • letter formation • sentence structure • conventions



# Area of Learning: MATHEMATICS

		<b>BIG IDEAS</b>		
Numbers to 100 represent quantities that can be decomposed into 10s and 1s.	Development of computational fluency in addition and subtraction with numbers to 100 requires an understanding of place value.	The regular change in increasing <b>patterns</b> can be identified and used to make generalizations.	Objects and shapes have attributes that can be described, measured, and compared.	Concrete items can be represented, compared, and interpreted pictorially in <b>graphs</b> .
	L	earning Standards		
Curricular Competencie	8		Content	
<ul> <li>Estimate reason</li> <li>Develop mental n</li> <li>Use technology</li> <li>Model mathemate</li> <li>Understanding and so</li> <li>Develop, demons problem solving</li> <li>Visualize to exploit</li> <li>Develop and use</li> <li>Engage in problem and perspectives cultures</li> </ul>	ting explore and make connections ably math strategies and abilities to make sense of to explore mathematics ics in contextualized experiences blving trate, and apply mathematical understanding re mathematical concepts multiple strategies to engage in problem so m-solving experiences that are connected to relevant to local First Peoples communities, t	through play, inquiry, and lving place, story, cultural practices,	<ul> <li>Students are expected to know the for</li> <li>number concepts to 100</li> <li>benchmarks of 25, 50, and 10</li> <li>addition and subtraction facts to computational strategies)</li> <li>addition and subtraction to 1</li> <li>repeating and increasing patter</li> <li>change in quantity, using pictor representation</li> <li>symbolic representation of equations</li> <li>direct linear measurement, in units</li> <li>multiple attributes of 2D shape</li> <li>pictorial representation of comone correspondence</li> <li>likelihood of familiar life event language</li> </ul>	0 and personal referents to 20 (introduction of 00 rns orial and symbolic ality and inequality troducing standard metric s and 3D objects norete graphs, using one-to-
<ul> <li>Use mathematica</li> <li>Explain and just</li> <li>Represent mathe</li> <li>Connecting and reflect</li> <li>Reflect on mathematica</li> <li>Connect mathematica</li> </ul>	athematical thinking in many ways I vocabulary and language to contribute to ma ify mathematical ideas and decisions matical ideas in concrete, pictorial, and syn sting	nbolic forms eas and personal interests	<ul> <li>financial literacy — coin comb spending and saving</li> </ul>	inations to 100 cents, and

mathematical concepts



			BIG IDEAS				
	Daily participation in physical activity at moderate to vigorous intensity levels benefits all aspects of our well-being.	Learning how to participate and move our bodies in different physical activities helps us develop physical literacy.	Adopting healthy personal practices and safety strategies protects ourselves and others		Having good communication skills and managing our emotions enables us to develop and maintain healthy relationships.	Our physical, emotional, and mental health are interconnected.	
			Learning Standards				
Curri	icular Competencies		Con	ntent			

#### Students are expected to be able to do the following: Students are expected to know the following: Physical literacy proper technique for fundamental movement skills, including non-locomotor, locomotor, and manipulative skills · Develop and demonstrate a variety of fundamental movement skills in a variety ways to monitor physical exertion levels of physical activities and environments how to participate in different types of physical activities, including • Apply methods of monitoring exertion levels in physical activity individual and dual activities, rhythmic activities, and games Develop and demonstrate safety, fair play, and leadership in physical activities effects of physical activity on the body Identify and explain factors that contribute to positive experiences in different physical activities practices that promote health and well-being, including those relating to Healthy and active living physical activity, nutrition, and illness prevention Participate daily in physical activity at moderate to vigorous intensity levels · strategies for accessing health information · Identify and describe opportunities to be physically active at school, at home, strategies and skills to use in potentially hazardous, unsafe, or and in the community abusive situations Explore strategies for making healthy eating choices effects of different substances, and strategies for preventing . · Describe ways to access information on and support services for a variety personal harm of health topics managing and expressing emotions ٠ · Explore and describe components of healthy living factors that influence self-identity Social and community health Identify and describe avoidance or assertiveness strategies to use in unsafe and/or uncomfortable situations Develop and demonstrate respectful behaviour when participating in activities with others Identify and describe characteristics of positive relationships · Explain how participation in outdoor activities supports connections with the community and environment Mental well-being Identify and apply strategies that promote mental well-being · Identify and describe feelings and worries, and strategies for dealing with them Identify personal skills, interests, and preferences and describe how they influence self-identity



## Area of Learning: SCIENCE

Grade 2

	BIG IDEAS		
Living things have life cycles adapted to their environment.	Materials can be changed through physical and chemical processes.	Forces influence the motion of an object.	Water is essential to all living things, and it cycles through the environment.
	Learning Standard	S	
Curricular Competencies		Content	
Students are expected to be able to do the followin	g:	Students are expected to know the follo	wing:
<ul> <li>Questioning and predicting</li> <li>Demonstrate curiosity and a sense of wonder about the world</li> <li>Observe objects and events in familiar contexts</li> <li>Ask questions about familiar objects and events</li> <li>Make simple predictions about familiar objects and events</li> </ul>		<ul> <li>metamorphic and non-metamor organisms</li> <li>similarities and differences betwee</li> <li>First Peoples use of their know</li> <li>physical ways of changing mate</li> <li>chemical ways of changing mate</li> </ul>	een offspring and parent vledge of life cycles rials
<ul> <li>Planning and conducting</li> <li>Make and record observations</li> <li>Safely manipulate materials to test ideas and</li> <li>Make and record simple measurements using</li> </ul>	g informal or non-standard methods	<ul> <li>types of forces</li> <li>water sources including local water conservation</li> <li>the water cycle</li> <li>local First People's knowledge of</li> </ul>	atersheds

water cyclesconservation

- connection to other systems

### Processing and analyzing data and information

- Experience and interpret the local environment
- Recognize First Peoples stories (including oral and written narratives), songs, and art, as ways to share knowledge
- · Sort and classify data and information using drawings, pictographs and provided tables
- Compare observations with predictions through discussion
- Identify simple patterns and connections

#### Evaluating

- Compare observations with those of others
- Consider some environmental consequences of their actions

#### Applying and innovating

- Take part in caring for self, family, classroom and school through personal approaches
- Transfer and apply learning to new situations
- Generate and introduce new or refined ideas when problem solving

### Communicating

- · Communicate observations and ideas using oral or written language, drawing, or role-play
- Express and reflect on personal experiences of place



## **BIG IDEAS**

Local actions have global consequences, and global actions have local consequences. Canada is made up of many diverse regions and communities.

Individuals have rights and responsibilities as global citizens.

Curricular Competencies	Content
<ul> <li>Students are expected to be able to do the following:</li> <li>Use Social Studies inquiry processes and skills to ask questions; gather, interpret, and analyze ideas; and communicate findings and decisions</li> <li>Explain why people, events, or places are significant to various individuals and groups (significance)</li> <li>Ask questions, make inferences, and draw conclusions about the content and features of different types of sources (evidence)</li> <li>Sequence objects, images, and events, or explain why some aspects change and others stay the same (continuity and change)</li> <li>Recognize causes and consequences of events, decisions, or developments (cause and consequence)</li> <li>Explain why people's beliefs, values, worldviews, experiences, and roles give them different perspectives on people, places, issues, or events (perspective)</li> <li>Make value judgments about events, decisions, or actions, and suggest lessons that can be learned (ethical judgment)</li> </ul>	<ul> <li>Students are expected to know the following:</li> <li>diverse characteristics of communities and cultures in Canada and around the world, including at least one Canadian First Peoples community and culture</li> <li>how people's needs and wants are met in communities</li> <li>relationships between people and the environment in different communities</li> <li>diverse features of the environment in other parts of Canada and the world</li> <li>rights and responsibilities of individuals regionally and globally</li> <li>roles and responsibilities of regional governments</li> </ul>