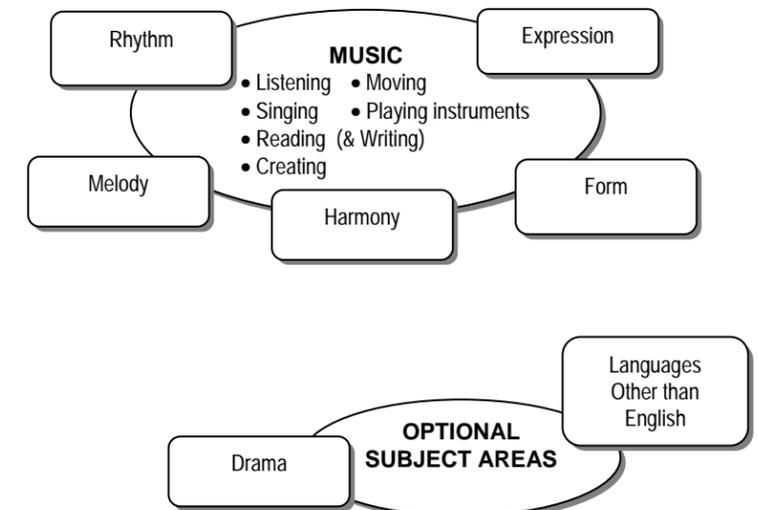
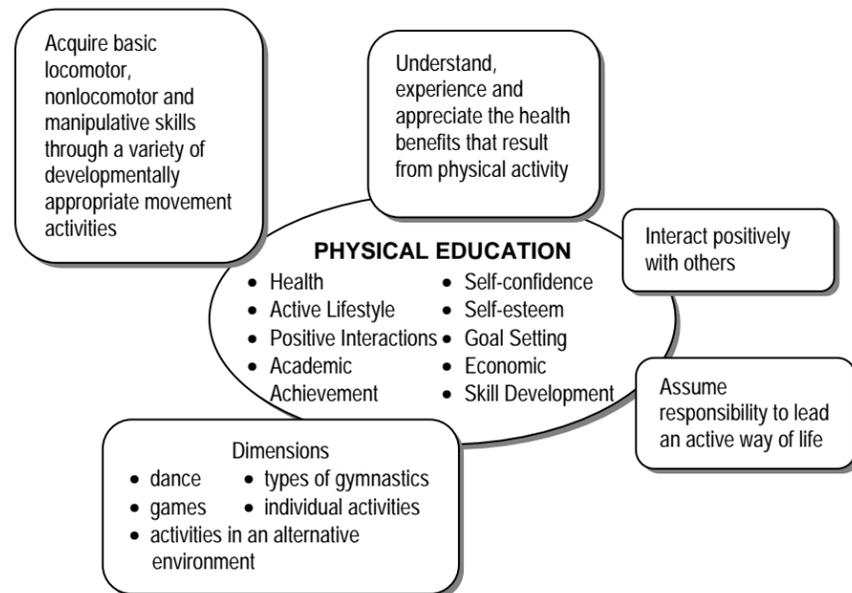
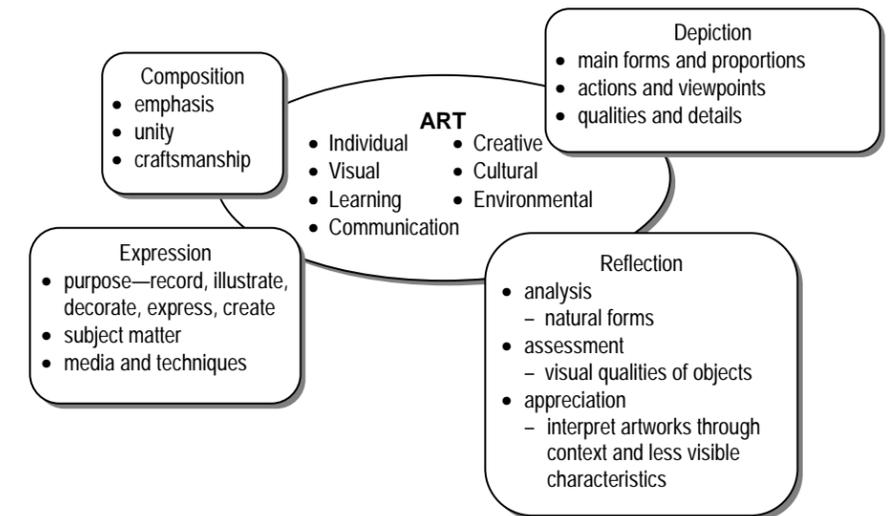
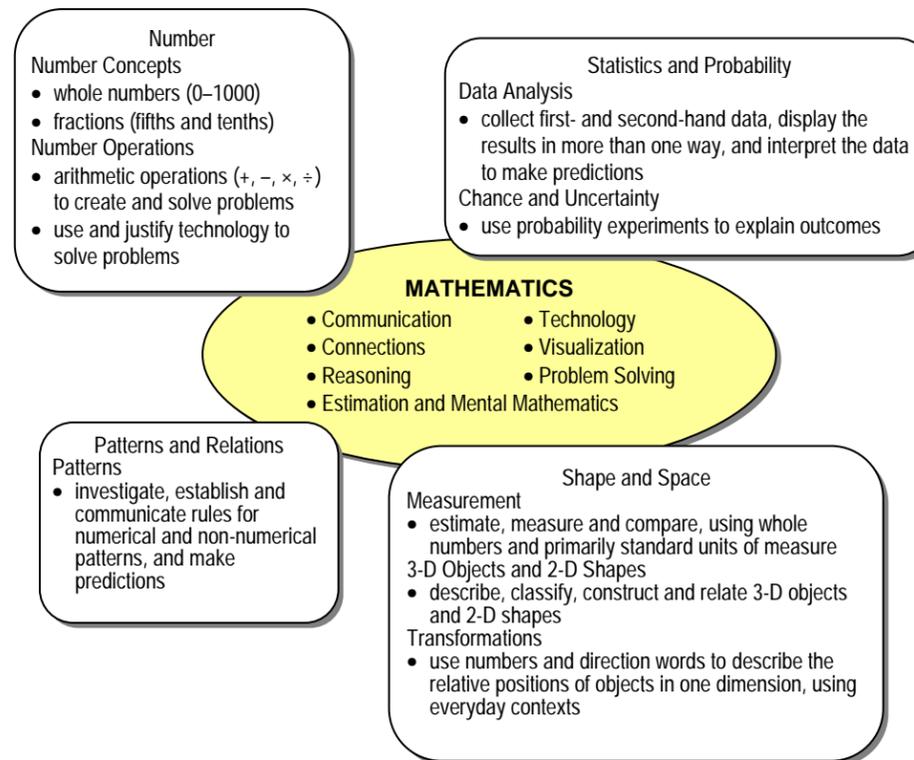


GRADE 3 CURRICULUM OVERVIEW



The Rationale and Philosophy for all subjects can be found at http://www.education.gov.ab.ca/k_12/curriculum/bySubject.

INFORMATION AND COMMUNICATION TECHNOLOGY (ICT). The ICT curriculum is not intended to stand alone as a course but rather to be infused within core courses and programs.

<p>General Outcome 1: Students will listen, speak, read, write, view and represent to explore thoughts, ideas, feelings and experiences.</p> <p>1.1 Discover and Explore</p> <p>Express ideas and develop understanding</p> <ul style="list-style-type: none"> connect prior knowledge and personal experiences with new ideas and information in oral, print and other media texts explain understanding of new concepts in own words explore ideas and feelings by asking questions, talking to others and referring to oral, print and other media texts <p>Experiment with language and forms</p> <ul style="list-style-type: none"> choose appropriate forms of oral, print and other media texts for communicating and sharing ideas with others <p>Express preferences</p> <ul style="list-style-type: none"> choose and share a variety of oral, print and other media texts in areas of particular interest <p>Set goals</p> <ul style="list-style-type: none"> discuss areas of personal accomplishment as readers, writers and illustrators <p>1.2 Clarify and Extend</p> <p>Consider the ideas of others</p> <ul style="list-style-type: none"> ask for the ideas and observations of others to explore and clarify personal understanding <p>Combine ideas</p> <ul style="list-style-type: none"> experiment with arranging and recording ideas and information in a variety of ways <p>Extend understanding</p> <ul style="list-style-type: none"> ask questions to clarify information and ensure understanding 	<p>General Outcome 2: Students will listen, speak, read, write, view and represent to comprehend and respond personally and critically to oral, print and other media texts.</p> <p>2.1 Use Strategies and Cues</p> <p>Use prior knowledge</p> <ul style="list-style-type: none"> share ideas developed through interests, experiences and discussion that are related to new ideas and information identify the different ways in which oral, print and other media texts, such as stories, textbooks, letters, picture books and junior dictionaries, are organized, and use them to construct and confirm meaning <p>Use comprehension strategies</p> <ul style="list-style-type: none"> use grammatical knowledge to predict words and sentence structures when reading narrative and expository materials apply a variety of strategies, such as setting a purpose, confirming predictions, making inferences and drawing conclusions identify the main idea or topic and supporting details in simple narrative and expository passages extend sight vocabulary to include predictable phrases and words related to language use read silently with increasing confidence and accuracy monitor and confirm meaning by rereading when necessary, and by applying knowledge of pragmatic, semantic, syntactic and graphophonic cueing systems <p>Use textual cues</p> <ul style="list-style-type: none"> use headings, paragraphs, punctuation and quotation marks to assist with constructing and confirming meaning attend to and use knowledge of capitalization, commas in a series, question marks, exclamation marks and quotation marks to read accurately, fluently and with comprehension during oral and silent reading <p>Use phonics and structural analysis</p> <ul style="list-style-type: none"> apply phonic rules and generalizations competently and confidently to read unfamiliar words in context apply word analysis strategies to segment words into parts or syllables, when reading unfamiliar words in context associate sounds with an increasing number of vowel combinations, consonant blends and digraphs, and letter clusters to read unfamiliar words in context <p>Use references</p> <ul style="list-style-type: none"> put words in alphabetical order by first and second letter use picture books, junior dictionaries and spell-check functions to confirm the spellings or locate the meanings of unfamiliar words in oral, print and other media texts <p style="text-align: right;"><i>(continued)</i></p>	<p>General Outcome 3: Students will listen, speak, read, write, view and represent to manage ideas and information.</p> <p>3.1 Plan and Focus</p> <p>Focus attention</p> <ul style="list-style-type: none"> use self-questioning to identify information needed to supplement personal knowledge on a topic identify facts and opinions, main ideas and details in oral, print and other media texts <p>Determine information needs</p> <ul style="list-style-type: none"> ask topic-appropriate questions to identify information needs <p>Plan to gather information</p> <ul style="list-style-type: none"> contribute ideas for developing a class plan to access and gather ideas and information <p>3.2 Select and Process</p> <p>Use a variety of sources</p> <ul style="list-style-type: none"> find information to answer research questions, using a variety of sources, such as children’s magazines, CDROMs, plays, folk tales, songs, stories and the environment <p>Access information</p> <ul style="list-style-type: none"> use text features, such as titles, pictures, headings, labels, diagrams and dictionary guide words, to access information locate answers to questions and extract appropriate and significant information from oral, print and other media texts use card or electronic catalogues to locate information <p>Evaluate sources</p> <ul style="list-style-type: none"> review information to determine its usefulness in answering research questions <p>3.3 Organize, Record and Evaluate</p> <p>Organize information</p> <ul style="list-style-type: none"> organize ideas and information, using a variety of strategies, such as clustering, categorizing and sequencing draft ideas and information into short paragraphs, with topic and supporting sentences <p>Record information</p> <ul style="list-style-type: none"> record facts and ideas using a variety of strategies; list titles and authors of sources list significant ideas and information from oral, print and other media texts <p>Evaluate information</p> <ul style="list-style-type: none"> determine if gathered information is sufficient to answer research questions <p>3.4 Share and Review</p> <p>Share ideas and information</p> <ul style="list-style-type: none"> organize and share ideas and information on topics to engage familiar audiences use titles, headings and visuals to add interest and highlight important points of presentation <p>Review research process</p> <ul style="list-style-type: none"> assess the research process, using pre-established criteria 	<p>General Outcome 4: Students will listen, speak, read, write, view and represent to enhance the clarity and artistry of communication.</p> <p>4.1 Enhance and Improve</p> <p>Appraise own and others’ work</p> <ul style="list-style-type: none"> share own oral, print and other media texts with others to identify strengths and ideas for improvement <p>Revise and edit</p> <ul style="list-style-type: none"> combine and rearrange existing information to accommodate new ideas and information edit for complete and incomplete sentences <p>Enhance legibility</p> <ul style="list-style-type: none"> print legibly, and begin to learn proper alignment, shape and slant of cursive writing space words and sentences consistently on a line and page use keyboarding skills to compose, revise and print text understand and use vocabulary associated with keyboarding and word processing <p>Expand knowledge of language</p> <ul style="list-style-type: none"> explain relationships among words and concepts associated with topics of study experiment with words and word meanings to produce a variety of effects <p>Enhance artistry</p> <ul style="list-style-type: none"> choose words, language patterns, illustrations or sounds to add detail and create desired effects in oral, print and other media texts <p>4.2 Attend to Conventions</p> <p>Attend to grammar and usage</p> <ul style="list-style-type: none"> identify a variety of sentence types, and use in own writing identify correct subject–verb agreement, and use in own writing use adjectives and adverbs to add interest and detail to own writing distinguish between complete and incomplete sentences <p>Attend to spelling</p> <ul style="list-style-type: none"> use phonic knowledge and skills and visual memory, systematically, to spell phonically regular, three-syllable words in own writing identify generalizations that assist with the spelling of unfamiliar words, including irregular plurals in own writing identify frequently misspelled words, and develop strategies for learning to spell them correctly in own writing <p style="text-align: right;"><i>(continued)</i></p>	<p>General Outcome 5: Students will listen, speak, read, write, view and represent to respect, support and collaborate with others.</p> <p>5.1 Respect Others and Strengthen Community</p> <p>Appreciate diversity</p> <ul style="list-style-type: none"> describe similarities between experiences and traditions encountered in daily life and those portrayed in oral, print and other media texts retell, paraphrase or explain ideas in oral, print and other media texts <p>Relate texts to culture</p> <ul style="list-style-type: none"> identify and discuss similar ideas or topics within stories from oral, print and other media texts from various communities <p>Celebrate accomplishments and events</p> <ul style="list-style-type: none"> use appropriate language to acknowledge and celebrate individual and class accomplishments <p>Use language to show respect</p> <ul style="list-style-type: none"> demonstrate respect for the ideas, abilities and language use of others <p>5.2 Work within a Group</p> <p>Cooperate with others</p> <ul style="list-style-type: none"> work cooperatively with others in small groups on structured tasks identify others who can provide assistance, and seek their help in specific situations <p>Work in groups</p> <ul style="list-style-type: none"> contribute ideas and information on topics to develop a common knowledge base in the group ask others for their ideas, and express interest in their contributions <p>Evaluate group process</p> <ul style="list-style-type: none"> assess the effectiveness of group process, using pre-established criteria
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	<p><i>(continued)</i></p> <p>2.2 Respond to Texts</p> <p>Experience various texts</p> <ul style="list-style-type: none"> choose a variety of oral, print and other media texts for shared and independent listening, reading and viewing experiences, using texts from a variety of cultural traditions and genres, such as nonfiction, chapter books, illustrated storybooks, drum dances, fables, CDROM programs and plays tell or write about favourite parts of oral, print and other media texts identify types of literature, such as humour, poetry, adventure and fairy tales, and describe favourites connect own experiences with the experiences of individuals portrayed in oral, print and other media texts, using textual references <p>Construct meaning from texts</p> <ul style="list-style-type: none"> connect portrayals of characters or situations in oral, print and other media texts to personal and classroom experiences summarize the main idea of individual oral, print and other media texts discuss, represent or write about ideas in oral, print and other media texts, and relate them to own ideas and experiences and to other texts make inferences about a character's actions or feelings express preferences for one character over another <p>Appreciate the artistry of texts</p> <ul style="list-style-type: none"> express feelings related to words, visuals and sound in oral, print and other media texts identify how authors use comparisons, and explain how they create mental images <p>2.3 Understand Forms, Elements and Techniques</p> <p>Understand forms and genres</p> <ul style="list-style-type: none"> identify distinguishing features of a variety of oral, print and other media texts discuss ways that visual images convey meaning in print and other media texts <p>Understand techniques and elements</p> <ul style="list-style-type: none"> include events, setting and characters when summarizing or retelling oral, print or other media texts describe the main characters in terms of who they are, their actions in the story and their relations with other characters identify ways that messages are enhanced in oral, print and other media texts by the use of specific techniques <p>Experiment with language</p> <ul style="list-style-type: none"> recognize examples of repeated humour, sound and poetic effects that contribute to audience enjoyment <p>2.4 Create Original Text</p> <p>Generate ideas</p> <ul style="list-style-type: none"> experiment with ways of generating and organizing ideas prior to creating oral, print and other media texts <p>Elaborate on the expression of ideas</p> <ul style="list-style-type: none"> use sentence variety to link ideas and create impressions on familiar audiences <p>Structure texts</p> <ul style="list-style-type: none"> experiment with a variety of story beginnings to choose ones that best introduce particular stories add sufficient detail to oral, print and other media texts to tell about setting and character, and to sustain plot 		<p><i>(continued)</i></p> <p>Attend to capitalization and punctuation</p> <ul style="list-style-type: none"> use capital letters appropriately in titles of books and stories use exclamation marks, appropriately, as end punctuation in own writing use apostrophes to form common contractions and to show possession in own writing identify commas, end punctuation, apostrophes and quotation marks when reading, and use them to assist comprehension <p>4.3 Present and Share</p> <p>Present information</p> <ul style="list-style-type: none"> present ideas and information on a topic, using a pre-established plan <p>Enhance presentation</p> <ul style="list-style-type: none"> use print and nonprint aids to illustrate ideas and information in oral, print and other media texts <p>Use effective oral and visual communication</p> <ul style="list-style-type: none"> speak or present oral readings with fluency, rhythm, pace, and with appropriate intonation to emphasize key ideas <p>Demonstrate attentive listening and viewing</p> <ul style="list-style-type: none"> rephrase, restate and explain the meaning of oral and visual presentations identify and set purposes for listening and viewing 	
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<p>Strand: Number (Number Concepts) <i>Students will:</i></p> <ul style="list-style-type: none"> use numbers to describe quantities represent numbers in multiple ways. <p>General Outcome Develop a number sense for whole numbers 0 to 1000, and explore fractions (fifths and tenths).</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> Count by 2s, 5s, 10s and 100s to 1000, using random starting points. [CN] Count by 25s to 1000, using starting points that are multiples of 25. [C, CN] Estimate, then count the number of objects in a set (0 to 1000), and compare the estimate with the actual number. [C, E] Skip count backward by 2s, 5s, 10s and 100s, using starting points that are multiples of 2, 5, 10 and 100 respectively. [C, CN, T] Demonstrate, concretely and pictorially, place value concepts to give meaning to numbers up to 1000. [C, R, V] Recognize, build, compare and order sets that contain 0 to 1000 elements. [PS, R, V] Round numbers to the nearest hundred. [E] Read and write numerals to 1000. [C, CN, V] Read and write number words to 100. [C, CN, V] Use ordinal numbers to 100. [C] Represent and describe numbers to 1000 in a variety of ways. [C, PS, R, T, V] Recognize and explain if a number is divisible by 2, 5 or 10. [C, CN, R] Illustrate and explain fifths and tenths as part of a region or a set. [C, R, V] <p>Strand: Number (Number Operations) <i>Students will:</i></p> <ul style="list-style-type: none"> demonstrate an understanding of and proficiency with calculations decide which arithmetic operation or operations can be used to solve a problem and then solve the problem. <p>General Outcome Apply an arithmetic operation (addition, subtraction, multiplication or division) on whole numbers, and illustrate its use in creating and solving problems.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> Use manipulatives, diagrams and symbols, in a problem-solving context, to demonstrate and describe the processes of addition and subtraction to 1000, with and without regrouping. [C, PS, R, V] Use manipulatives, diagrams and symbols with maximum products and dividends to 50, to demonstrate and describe the processes of multiplication and division. [C, PS, V] Recall addition/subtraction facts to 18 and multiplication facts to 49 (7×7 on a multiplication grid). [E] <p>General Outcome Use and justify an appropriate calculation strategy or technology to solve problems.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> Verify solutions to addition and subtraction problems, using estimation and calculators. [E, PS, T] Verify solutions to addition and subtraction problems, using the inverse operation. [PS, R] Justify the choice of method for addition and subtraction, using: <ul style="list-style-type: none"> estimation strategies mental mathematics strategies manipulatives algorithms calculators. [C, PS, R, T] Calculate products and quotients, using estimation strategies and mental mathematics strategies. [E, R] 	<p>Strand: Patterns and Relations (Patterns) <i>Students will:</i></p> <ul style="list-style-type: none"> use patterns to describe the world and to solve problems. <p>General Outcome Investigate, establish and communicate rules for numerical and non-numerical patterns, including those found in the home, and use these rules to make predictions.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> Sort, concretely and pictorially, using two or more attributes. [CN, PS, V] Use objects and concrete models to explain the rule for a pattern, such as those found on addition and multiplication charts. [C, R, V] Make predictions based on addition and multiplication patterns. [PS, R] 	<p>Strand: Shape and Space (Measurement) <i>Students will:</i></p> <ul style="list-style-type: none"> describe and compare everyday phenomena, using either direct or indirect measurement. <p>General Outcome Estimate, measure and compare, using whole numbers and primarily standard units of measure.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> Select the most appropriate standard unit, including km, to measure length. [E, R, V] Describe the relationships among cm, dm and m. [C] Estimate, measure, record, compare and order objects by length, height and perimeter, using standard units. [E, PS] Select an appropriate nonstandard unit to measure area. [E, V] Estimate, measure, record, compare and order shapes by area, using nonstandard units. [E, PS] Construct a variety of shapes given a specific area in nonstandard units. [PS, V] Select an appropriate object or nonstandard unit to measure capacity or volume of a container. [E, V] Estimate, measure, record, compare and order containers by volume/capacity, using: <ul style="list-style-type: none"> nonstandard units litres. [E, PS] Estimate, measure, record, compare and order the mass (weight) of objects, using standard units (g, kg). [E, PS] Construct objects to equal a given mass (weight). [PS] Estimate and measure the passage of time, using standard units; seconds, minutes, hours, days, weeks, months, years. [E] Read and write the days of the week and months of the year. [C] Relate days to years. [CN] Read digital clocks and write time to the nearest minute, using 12-hour notation. [C] Estimate, read and record temperature to the nearest degree C. [E] Relate temperature to everyday situations. [CN] Create and recognize that a given value of money can be represented in many different ways. [PS, R] Estimate, count and record collections of coins and bills up to \$10. [E] Make purchases and change up to \$10. [PS] Read and write both money notations (89¢ and \$0.89). [C] Recognize the value of bills up to \$100. [C] <p>Strand: Shape and Space (3-D Objects and 2-D Shapes) <i>Students will:</i></p> <ul style="list-style-type: none"> describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them. <p>General Outcome Describe, classify, construct and relate 3-D objects and 2-D shapes.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> Identify and count faces, vertices and edges of 3-D objects. [E] Identify and name faces of a 3-D object with appropriate 2-D names. [C, V] Describe and name pyramids and prisms by the shape of the base. [C] Demonstrate that a rectangular solid has more than one net. [PS, V] Compare and contrast two 3-D objects. [C, CN] Recognize congruent (identical) 3-D objects and 2-D shapes. [CN] Explore, concretely, the concepts of perpendicular, parallel and intersecting lines on 3-D objects. [R, V] <p>Strand: Shape and Space (Transformations) <i>Students will:</i></p> <ul style="list-style-type: none"> perform, analyze and create transformations. <p>General Outcome Use numbers and direction words to describe the relative positions of objects in one dimension, using everyday contexts.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> Communicate and apply terms of direction, such as north or south and east or west, and relate to maps. [C, CN, T] Graph whole number points on a horizontal number line or a vertical number line. [CN, V] Trace a path, using oral or written instructions. [C, PS] 	<p>Strand: Statistics and Probability (Data Analysis) <i>Students will:</i></p> <ul style="list-style-type: none"> collect, display and analyze data to make predictions about a population. <p>General Outcome Collect first- and second-hand data, display the results in more than one way, and interpret the data to make predictions.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> Collect data, using measuring devices and printed/technology resources. [PS, T] Display data, using rank ordering. [C, V] Display the same data in more than one way. [PS] Make predictions and inferences when solving similar problems. [CN, E, PS] Obtain new information by performing arithmetic operations on the data. [E, PS, T] <p>Strand: Statistics and Probability (Chance and Uncertainty) <i>Students will:</i></p> <ul style="list-style-type: none"> use experimental or theoretical probability to represent and solve problems involving uncertainty. <p>General Outcome Use simple probability experiments, designed by others, to explain outcomes.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> Describe the likelihood of an outcome, using such terms as more likely, less likely, chance. [C, R] Conduct a probability experiment, choose an appropriate recording method, and draw conclusions from the results. [C, E, PS]
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Mathematical Processes: Communication [C]
Reasoning [R]

Connections [CN]
Technology [T]

Estimation and Mental Mathematics [E]
Visualization [V]

Problem Solving [PS]

SKILLS	ATTITUDES				
<p>Science Inquiry</p> <p>General Learner Expectations <i>Students will:</i></p> <p>3–1 Investigate the nature of things, demonstrating purposeful action that leads to observations and inferences. 3–2 Identify patterns and order in objects and events studied; and, with guidance, record observations, using pictures, words and charts; and make predictions and generalizations, based on observations.</p> <p>Specific Learner Expectations <i>Students will:</i></p> <p>Focus</p> <ul style="list-style-type: none"> ask questions that lead to exploration and investigation identify one or more possible answers to questions by stating predictions or hypotheses <p>Explore and Investigate</p> <ul style="list-style-type: none"> identify, with guidance, procedures to be followed in finding answers to given questions carry out procedures developed by themselves or identified by others identify materials and how they are used work independently or with others to carry out the identified procedures identify, with guidance, sources of information and ideas and, with guidance, access information and ideas from those sources. Sources may include library, classroom, community and computer-based resources <p>Reflect and Interpret</p> <ul style="list-style-type: none"> record observations and measurements, using captioned pictures and charts, with guidance in the construction of charts. Computer resources may be used for record keeping and for display and interpretation of data state an inference, based on observations identify applications of what was learned identify new questions that arise from the investigation. 	<p>General Learner Expectations <i>Students will:</i></p> <p>3–4 Demonstrate positive attitudes for the study of science and for the application of science in responsible ways.</p> <p>Specific Learner Expectations <i>Students will show growth in acquiring and applying the following traits:</i></p> <ul style="list-style-type: none"> curiosity confidence in personal ability to explore materials and learn by direct study inventiveness and willingness to consider new ideas perseverance in the search for understandings and for solutions to problems a willingness to base their conclusions and actions on the evidence of their own experiences a willingness to work with others in shared activities and in sharing of experiences appreciation of the benefits gained from shared effort and cooperation a sense of responsibility for personal and group actions respect for living things and environments, and commitment for their care. 				
<p>UNDERSTANDINGS</p> <table border="0"> <tr> <td data-bbox="133 997 699 1905"> <p>Rocks and Minerals</p> <p>General Learner Expectations <i>Students will:</i></p> <p>3–5 Demonstrate knowledge of materials that comprise Earth’s crust, and demonstrate skill in classifying these materials.</p> <p>Specific Learner Expectations <i>Students will:</i></p> <ol style="list-style-type: none"> Compare samples of various kinds of rock, and identify similarities and differences. Given a description of the properties of a particular rock or mineral, identify a sample rock or mineral that matches those properties. Properties that students should be able to describe and interpret include: <ul style="list-style-type: none"> colour lustre or “shininess”; e.g., shiny, dull, glassy, metallic, earthy texture; e.g., rough, smooth, uneven hardness, based on scratch tests with available materials presence of carbonates. Note that the presence of carbonates can be tested with vinegar or another mild acid crystal shape for minerals, or overall pattern of rocks. </td> <td data-bbox="699 997 1274 1905"> <p>Building with a Variety of Materials</p> <p>General Learner Expectations <i>Students will:</i></p> <p>3–6 Use, safely, a variety of tools, techniques and materials in construction activities. 3–7 Construct structures, using a variety of materials and designs, and compare the effectiveness of the various materials and designs for their intended purposes.</p> <p>Specific Learner Expectations <i>Students will:</i></p> <ol style="list-style-type: none"> Using a variety of materials and techniques, design, construct and test structures that are intended to: <ul style="list-style-type: none"> support objects span gaps serve as containers serve as models of particular living things, objects or buildings. Select appropriate materials for use in construction tasks, and explain the choice of materials. Students should demonstrate familiarity with a variety of materials, such as papers, woods, plastics, clay and metals. Select tools that are suitable to particular tasks and materials, and use them safely and effectively. Understand and use a variety of methods to join or fasten materials. </td> <td data-bbox="1274 997 1849 1905"> <p>Testing Materials and Designs</p> <p>General Learner Expectations <i>Students will:</i></p> <p>3–8 Evaluate the suitability of different materials and designs for their use in a building task.</p> <p>Specific Learner Expectations <i>Students will:</i></p> <ol style="list-style-type: none"> Recognize that functional structures must be sufficiently strong and stable and that unstable or weak structures are often unsafe to use. Compare and evaluate the strength and stability of different models or objects constructed. Describe the distinctive properties of some common solids, such as wood, paper or plastic, that make them suitable for use as building materials. Apply procedures to test the strength of construction materials, in particular, different stocks of papers, plastics or wood. Apply procedures to test different designs. Apply procedures to test the strength of different methods of joining. Identify and apply methods for making a structure stronger and more stable; e.g., by adding or joining parts to form triangles. </td> <td data-bbox="1849 997 2424 1905"> <p>Hearing and Sound</p> <p>General Learner Expectations <i>Students will:</i></p> <p>3–9 Describe the nature of sound, and demonstrate methods for producing and controlling sound.</p> <p>Specific Learner Expectations <i>Students will:</i></p> <ol style="list-style-type: none"> Identify examples of vibration. Recognize that sound is the result of vibration; and demonstrate that the larger the vibration, the louder the sound. Recognize that there are ways of measuring the loudness of sounds and that loud sounds pose a danger to the ear. Recognize that pitch is the result of differences in the rate of vibration, and predict how a change in the rate of vibration will affect a sound. Demonstrate a variety of ways of producing sounds; e.g., by striking an empty glass, by blowing air into a bottle, by constructing and using a device that involves vibrating strings. Use sound-producing devices that the student has constructed to demonstrate methods for controlling the loudness, pitch and quality of sound produced. Identify examples that show that sound can travel through a variety of materials, including solids, liquids and air, and that sound travels in all directions. </td> <td data-bbox="2424 997 2952 1905"> <p>Animal Life Cycles</p> <p>General Learner Expectations <i>Students will:</i></p> <p>3–10 Describe the appearances and life cycles of some common animals, and identify their adaptations to different environments. 3–11 Identify requirements for animal care.</p> <p>Specific Learner Expectations <i>Students will:</i></p> <ol style="list-style-type: none"> Classify a variety of animals, based on observable characteristics; e.g., limbs, teeth, body covering, overall shape, backbone. Observe and describe the growth and development of at least one living animal, as the animal develops from early to more advanced stages. The animal(s) should be from one or more of the following groups: mammals, birds, fish, reptiles, amphibians, insects. Suggested examples include: gerbils, guppies, mealworms, tadpoles, worms, butterflies/moths. Additional examples from other animal groups might also be included: brine shrimp, isopods, spiders. </td> </tr> </table>	<p>Rocks and Minerals</p> <p>General Learner Expectations <i>Students will:</i></p> <p>3–5 Demonstrate knowledge of materials that comprise Earth’s crust, and demonstrate skill in classifying these materials.</p> <p>Specific Learner Expectations <i>Students will:</i></p> <ol style="list-style-type: none"> Compare samples of various kinds of rock, and identify similarities and differences. Given a description of the properties of a particular rock or mineral, identify a sample rock or mineral that matches those properties. Properties that students should be able to describe and interpret include: <ul style="list-style-type: none"> colour lustre or “shininess”; e.g., shiny, dull, glassy, metallic, earthy texture; e.g., rough, smooth, uneven hardness, based on scratch tests with available materials presence of carbonates. Note that the presence of carbonates can be tested with vinegar or another mild acid crystal shape for minerals, or overall pattern of rocks. 	<p>Building with a Variety of Materials</p> <p>General Learner Expectations <i>Students will:</i></p> <p>3–6 Use, safely, a variety of tools, techniques and materials in construction activities. 3–7 Construct structures, using a variety of materials and designs, and compare the effectiveness of the various materials and designs for their intended purposes.</p> <p>Specific Learner Expectations <i>Students will:</i></p> <ol style="list-style-type: none"> Using a variety of materials and techniques, design, construct and test structures that are intended to: <ul style="list-style-type: none"> support objects span gaps serve as containers serve as models of particular living things, objects or buildings. Select appropriate materials for use in construction tasks, and explain the choice of materials. Students should demonstrate familiarity with a variety of materials, such as papers, woods, plastics, clay and metals. Select tools that are suitable to particular tasks and materials, and use them safely and effectively. Understand and use a variety of methods to join or fasten materials. 	<p>Testing Materials and Designs</p> <p>General Learner Expectations <i>Students will:</i></p> <p>3–8 Evaluate the suitability of different materials and designs for their use in a building task.</p> <p>Specific Learner Expectations <i>Students will:</i></p> <ol style="list-style-type: none"> Recognize that functional structures must be sufficiently strong and stable and that unstable or weak structures are often unsafe to use. Compare and evaluate the strength and stability of different models or objects constructed. Describe the distinctive properties of some common solids, such as wood, paper or plastic, that make them suitable for use as building materials. Apply procedures to test the strength of construction materials, in particular, different stocks of papers, plastics or wood. Apply procedures to test different designs. Apply procedures to test the strength of different methods of joining. Identify and apply methods for making a structure stronger and more stable; e.g., by adding or joining parts to form triangles. 	<p>Hearing and Sound</p> <p>General Learner Expectations <i>Students will:</i></p> <p>3–9 Describe the nature of sound, and demonstrate methods for producing and controlling sound.</p> <p>Specific Learner Expectations <i>Students will:</i></p> <ol style="list-style-type: none"> Identify examples of vibration. Recognize that sound is the result of vibration; and demonstrate that the larger the vibration, the louder the sound. Recognize that there are ways of measuring the loudness of sounds and that loud sounds pose a danger to the ear. Recognize that pitch is the result of differences in the rate of vibration, and predict how a change in the rate of vibration will affect a sound. Demonstrate a variety of ways of producing sounds; e.g., by striking an empty glass, by blowing air into a bottle, by constructing and using a device that involves vibrating strings. Use sound-producing devices that the student has constructed to demonstrate methods for controlling the loudness, pitch and quality of sound produced. Identify examples that show that sound can travel through a variety of materials, including solids, liquids and air, and that sound travels in all directions. 	<p>Animal Life Cycles</p> <p>General Learner Expectations <i>Students will:</i></p> <p>3–10 Describe the appearances and life cycles of some common animals, and identify their adaptations to different environments. 3–11 Identify requirements for animal care.</p> <p>Specific Learner Expectations <i>Students will:</i></p> <ol style="list-style-type: none"> Classify a variety of animals, based on observable characteristics; e.g., limbs, teeth, body covering, overall shape, backbone. Observe and describe the growth and development of at least one living animal, as the animal develops from early to more advanced stages. The animal(s) should be from one or more of the following groups: mammals, birds, fish, reptiles, amphibians, insects. Suggested examples include: gerbils, guppies, mealworms, tadpoles, worms, butterflies/moths. Additional examples from other animal groups might also be included: brine shrimp, isopods, spiders.
<p>Rocks and Minerals</p> <p>General Learner Expectations <i>Students will:</i></p> <p>3–5 Demonstrate knowledge of materials that comprise Earth’s crust, and demonstrate skill in classifying these materials.</p> <p>Specific Learner Expectations <i>Students will:</i></p> <ol style="list-style-type: none"> Compare samples of various kinds of rock, and identify similarities and differences. Given a description of the properties of a particular rock or mineral, identify a sample rock or mineral that matches those properties. Properties that students should be able to describe and interpret include: <ul style="list-style-type: none"> colour lustre or “shininess”; e.g., shiny, dull, glassy, metallic, earthy texture; e.g., rough, smooth, uneven hardness, based on scratch tests with available materials presence of carbonates. Note that the presence of carbonates can be tested with vinegar or another mild acid crystal shape for minerals, or overall pattern of rocks. 	<p>Building with a Variety of Materials</p> <p>General Learner Expectations <i>Students will:</i></p> <p>3–6 Use, safely, a variety of tools, techniques and materials in construction activities. 3–7 Construct structures, using a variety of materials and designs, and compare the effectiveness of the various materials and designs for their intended purposes.</p> <p>Specific Learner Expectations <i>Students will:</i></p> <ol style="list-style-type: none"> Using a variety of materials and techniques, design, construct and test structures that are intended to: <ul style="list-style-type: none"> support objects span gaps serve as containers serve as models of particular living things, objects or buildings. Select appropriate materials for use in construction tasks, and explain the choice of materials. 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<p><i>(continued)</i></p> <ol style="list-style-type: none"> 3. Describe and classify a group of rocks and minerals, based upon the above properties. 4. Recognize that rocks are composed of a variety of materials; and given a coarse-grained rock and magnifier, describe some of the component materials. 5. Recognize and describe the various components within a sample of soil; e.g., clay, sand, pebbles, decaying plants; and describe differences between two different soil samples. 6. Describe ways in which rocks break down to become soil, and demonstrate one or more of these ways; e.g., by shaking a group of small, soft rocks in a jar of water; by striking rocks together. Note: Safety goggles should be used. 7. Describe some common uses of rocks and minerals; and identify examples of those uses within the school, home or local community. 	<p><i>(continued)</i></p> <ol style="list-style-type: none"> 5. Identify the intended purpose and use of structures to be built, and explain how knowing the intended purpose and use helps guide decisions regarding materials and design. 6. Understand that simple designs are often as effective as more complex ones, as well as being easier and cheaper to build, and illustrate this understanding with a practical example. 7. Recognize the importance of good workmanship, and demonstrate growth toward good workmanship. 8. Maintain and store materials and tools safely and properly. 9. Apply skills of listening, speaking and cooperative decision making in working with other students on a construction project. 	<p><i>(continued)</i></p> <ol style="list-style-type: none"> 8. Describe how the human ear senses vibrations. 9. Compare the range of hearing in humans to that in other animals; e.g., dogs and bats. 10. Recognize that certain sounds have characteristics that cause them to be interpreted as pleasant or unpleasant, and identify these characteristics. 11. Describe changes in hearing that result from continued exposure to loud noise and from the natural process of aging. 12. Construct and evaluate different kinds of soundproofing and sound-amplifying devices. 13. Explain the role that sound plays in communication. 	<p><i>(continued)</i></p> <ol style="list-style-type: none"> 3. Predict the next stages in the growth and development of at least one animal from each of the following groups: mammals, birds, fish, reptiles, amphibians, insects; and identify similarities and differences in their developmental sequences. 4. Identify the food needs of at least one animal from each of the following groups: mammals, birds, fish, reptiles, amphibians, insects; and describe changes in how each animal obtains food through different stages of its life. 5. Demonstrate awareness that parental care is characteristic of some animals and not of others, and identify examples of different forms of parental care. 6. Demonstrate awareness that animals require different habitats in order to meet their basic needs of food, water, shelter and space. 7. Recognize adaptations of a young animal to its environment, and identify changes in its relationship to its environment as it goes through life; e.g., tadpoles are adapted for life in an aquatic environment; adult frogs show adaptations to both terrestrial and aquatic environments. 8. Identify examples of environmental conditions that may threaten animal survival, and identify examples of extinct animals. 9. Recognize that habitat preservation can help maintain animal populations, and identify ways that student actions can assist habitat preservation. 10. Demonstrate knowledge of the needs of animals studied, and demonstrate skills for their care.
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<p>3.1 COMMUNITIES IN THE WORLD</p> <p>General Outcome Students will demonstrate an understanding and appreciation of how geographic, social, cultural and linguistic factors affect quality of life in communities in India, Tunisia, Ukraine and Peru.</p> <p>Specific Outcomes</p> <p>► Values and Attitudes</p> <p><i>Students will:</i></p> <p>3.1.1 appreciate similarities and differences among people and communities:</p> <ul style="list-style-type: none"> demonstrate an awareness of and interest in the beliefs, traditions and customs of groups and communities other than their own (CC) <p>► Knowledge and Understanding</p> <p><i>Students will:</i></p> <p>3.1.2 examine the social, cultural and linguistic characteristics that affect quality of life in communities in other parts of the world by exploring and reflecting upon the following questions for inquiry:</p> <ul style="list-style-type: none"> What determines quality of life? (CC) How does daily life reflect quality of life in the communities (e.g., employment, transportation, roles of family members)? (CC, ER, GC) How does access to public services affect the communities? (e.g., schools, hospitals, libraries, transportation systems)? (ER, GC, PADM) What are the traditions, celebrations, stories and practices in the communities that connect the people to the past and to each other (e.g., language spoken, traditions, customs)? (CC, GC, TCC) How is identity reflected in traditions, celebrations, stories and customs in the communities? (CC, I, TCC) How are the various leaders chosen in the communities (e.g., within families, within schools, within communities, within government)? (GC, PADM) How are decisions made in the communities? Who is responsible for making the decisions? (CC, PADM) How do the individuals and groups in the communities maintain peace? (GC, PADM) How do the individuals and groups in the communities cooperate and share with other group members? (C, CC) How is cultural diversity expressed within each community? (CC, I) <p>3.13 examine the geographic characteristics that shape communities in other parts of the world by exploring and reflecting upon the following questions for inquiry:</p> <ul style="list-style-type: none"> Where, on a globe and/or map, are the communities in relation to Canada? (LPP) In what ways do the people in the communities depend on, adapt to and change the environment in which they live and work? (ER, LPP) In what ways do the communities show concern for their natural environment? (GC, LPP) How does the physical geography influence the human activities in the communities (e.g., availability of water, climate)? (CC, LPP) <p>3.14 examine economic factors that shape communities in other parts of the world by exploring and reflecting upon the following questions for inquiry:</p> <ul style="list-style-type: none"> What are the main goods and services produced by the communities studied (i.e., agricultural activities, manufacturing activities)? (ER, GC) What goods and services do the communities import from and export to other parts of the world? (ER, GC) What are the main forms of technologies, transportation and communication in the communities? (ER, GC) 	
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<p>3.2 GLOBAL CITIZENSHIP</p> <p>General Outcome Students will demonstrate an understanding and appreciation of Canada’s roles and responsibilities in global citizenship in relation to communities in India, Tunisia, Ukraine and Peru.</p> <p>Specific Outcomes</p> <p>► Values and Attitudes</p> <p><i>Students will:</i></p> <p>3.2.1 appreciate elements of global citizenship:</p> <ul style="list-style-type: none"> recognize how their actions might affect people elsewhere in the world and how the actions of others might affect them (C, GC) respect the equality of all human beings (C, GC, I) <p>► Knowledge and Understanding</p> <p><i>Students will:</i></p> <p>3.2.2 explore the concept of global citizenship by reflecting upon the following questions for inquiry:</p> <ul style="list-style-type: none"> How are the rights, responsibilities and roles of citizens in communities around the world the same or different than those of Canadian citizens? (C, GC) What are some environmental concerns that Canada and communities around the world share? (ER, GC) In what ways can individuals and groups contribute to positive change in the world? (C, GC, PADM) How do international organizations support communities in need throughout the world (e.g., UNICEF, Red Cross, Development and Peace)? (C, GC) What are examples of international organizations formed by individuals (e.g., Free the Children, Médecins sans frontières (Doctors Without Borders))? (C, GC) What are examples of international organizations formed by nations (e.g., UN)? (C, GC, PADM) 	
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<p>SKILLS AND PROCESSES</p> <p>► Dimensions of Thinking</p> <p><i>Students will:</i></p> <p>3.S.1 develop skills of critical thinking and creative thinking:</p> <ul style="list-style-type: none"> evaluate ideas and information from different points of view choose and justify a course of action generate original ideas and strategies in individual and group activities compare and contrast information from similar types of electronic sources, such as information collected on the Internet <p>3.S.2 develop skills of historical thinking:</p> <ul style="list-style-type: none"> correctly apply terms related to time, including past, present, future arrange events, facts and/or ideas in sequence <p>3.S.3 develop skills of geographic thinking:</p> <ul style="list-style-type: none"> create and use a simple map to locate communities studied in the world use cardinal and intermediate directions to locate places on maps and globes apply the concept of relative location to determine locations of people and places apply the terms hemisphere, poles, equator <p>3.S.4 demonstrate skills of decision making and problem solving:</p> <ul style="list-style-type: none"> apply new ideas and strategies to contribute to decision making and problem solving support proposed ideas, strategies and options with facts and reasons collaborate with others to devise strategies for dealing with problems and issues use technology to organize and display data in a problem-solving context <p>► Social Participation as a Democratic Practice</p> <p><i>Students will:</i></p> <p>3.S.5 demonstrate skills of cooperation, conflict resolution and consensus building:</p> <ul style="list-style-type: none"> demonstrate cooperative behaviour to ensure that all members of the group have an opportunity to participate demonstrate willingness to seek consensus among members of a work group consider the needs and points of view of others work and play in harmony with others to create a safe and caring environment share information collected from electronic sources to add to a group task <p>3.S.6 develop age-appropriate behaviour for social involvement as responsible citizens contributing to their community, such as:</p> <ul style="list-style-type: none"> participate in projects that improve or meet the particular needs of their school or community <p>► Research for Deliberative Inquiry</p> <p><i>Students will:</i></p> <p>3.S.7 apply the research process:</p> <ul style="list-style-type: none"> make connections between cause-and-effect relationships from information gathered from varied sources evaluate whether information supports an issue or a research question develop questions that reflect a personal information need follow a plan to complete an inquiry access and retrieve appropriate information from electronic sources for a specific inquiry navigate within a document, compact disc or other software program that contains links organize information from more than one source <p style="text-align: right;"><i>(continued)</i></p>	
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Core Concepts: C Citizenship I Identity GC Global Connections
 Strands: ER Economics and Resources LPP The Land: Places and People TCC Time, Continuity and Change
 CC Culture and Community PADM Power, Authority and Decision Making

► ICT Outcomes

		<p><i>(continued)</i></p> <ul style="list-style-type: none"> ➤ process information from more than one source to retell what has been discovered ➤ draw conclusions from organized information ➤ make predictions based on organized information ➤ formulate new questions as research progresses <p>▶ Communication</p> <p><i>Students will:</i></p> <p>3.S.8 demonstrate skills of oral, written and visual literacy:</p> <ul style="list-style-type: none"> • organize and present information, such as written and oral reports, taking particular audiences and purposes into consideration • listen to others in order to understand their points of view • interact with others in a socially appropriate manner ➤ create visual images for particular audiences and purposes ➤ use technology to support and present conclusions <p>3.S.9 develop skills of media literacy:</p> <ul style="list-style-type: none"> • compare information on the same issue or topic from print media, television, photographs and the Internet • identify key words from information gathered from a variety of media on a topic or issue
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Core Concepts: C Citizenship I Identity
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➤ ICT Outcomes

WELLNESS CHOICES	RELATIONSHIP CHOICES	LIFE LEARNING CHOICES
<p><i>Students will</i> make responsible and informed choices to maintain health and to promote safety for self and others.</p>	<p><i>Students will</i> develop effective interpersonal skills that demonstrate responsibility, respect and caring in order to establish and maintain healthy interactions.</p>	<p><i>Students will</i> use resources effectively to manage and explore life roles and career opportunities and challenges.</p>
<p>Personal Health</p>	<p>Understanding and Expressing Feelings</p>	<p>Learning Strategies</p>
<p><i>Students will:</i></p>	<p><i>Students will:</i></p>	<p><i>Students will:</i></p>
<p>W-3.1 analyze the factors that affect choices for physical activity; e.g., the impact of technology/media</p>	<p>R-3.1 recognize the effects of sharing positive feelings on self and others; e.g., express appreciation to self and others</p>	<p>L-3.1 develop and demonstrate test-taking skills; e.g., adequate preparation, predicting questions, dealing with test anxiety</p>
<p>W-3.2 improve and practise positive health habits; e.g., lifting and carrying book bags/backpacks, maintaining good posture</p>	<p>R-3.2 demonstrate safe and appropriate ways for sharing and/or expressing feelings through words and behaviour; e.g., demonstrate good manners when expressing feelings</p>	<p>L-3.2 identify ways individuals learn in various environments</p>
<p>W-3.3 examine that individuals grow through similar stages of development at different rates and at different times</p>	<p>R-3.3 develop, with guidance, strategies to deal with stress/change</p>	<p>L-3.3 generate alternative solutions to a problem, and predict consequences of solutions; e.g., how they could affect physical, emotional, social wellness</p>
<p>W-3.4 recognize factors that influence unique body characteristics; e.g., genetics, body type, environment</p>	<p>R-3.4 develop, with guidance, effective communication skills and strategies to express feelings; e.g., appropriate expression of anger</p>	<p>L-3.4 identify the steps of the goal-setting process, and apply these components to short-term personal goals</p>
<p>W-3.5 apply guidelines from <i>Canada's Food Guide to Healthy Eating</i> to individual nutritional circumstances; e.g., active children eat/drink more</p>	<p>Interactions</p>	<p>Life Roles and Career Development</p>
<p>W-3.6 describe the importance of decision-making and refusal skills when offered inappropriate substances; e.g., drugs, tobacco, allergens</p>	<p><i>Students will:</i></p>	<p><i>Students will:</i></p>
<p>Safety and Responsibility</p>	<p>R-3.5 develop strategies to build and enhance friendships</p>	<p>L-3.5 examine personal skills and assets; e.g., physical, verbal, intellectual</p>
<p><i>Students will:</i></p>	<p>R-3.6 demonstrate inclusive behaviours regardless of individual differences or circumstances; e.g., physical, emotional, cultural, economic</p>	<p>L-3.6 examine the responsibilities associated with a variety of age-appropriate roles; e.g., family member, friend</p>
<p>W-3.7 identify strategies to avoid being bullied in different case scenarios; e.g., communicate whereabouts, get away, say no firmly, avoid dares</p>	<p>R-3.7 examine the effects of conflict on relationships</p>	<p>Volunteerism</p>
<p>W-3.8 employ practices that provide safety for self and others; e.g., describe strategies for safely preparing and storing food</p>	<p>Group Roles and Processes</p>	<p><i>Students will:</i></p>
<p>W-3.9 describe, apply and analyze appropriate safety behaviours in the local community; e.g., street, railway crossings, dugouts, farm equipment, waterfront</p>	<p><i>Students will:</i></p>	<p>L-3.7 assess how individual contributions can have a positive influence upon the family, school and community</p>
<p>W-3.10 describe and apply age-appropriate behaviours when encountering an emergency; e.g., call for assistance, do not move an injured person</p>	<p>R-3.8 develop skills to work cooperatively in a group</p>	<p>L-3.8 select and perform volunteer tasks as a class or as a group</p>
	<p>R-3.9 encourage fair play through modelling; e.g., model fair play and safe play practices to cross-age groupings</p>	

<p>General Outcome A <i>Students will</i> acquire skills through a variety of developmentally appropriate movement activities; dance, games, types of gymnastics, individual activities and activities in an alternative environment; e.g., aquatics and outdoor pursuits.</p> <p><i>Students will:</i></p> <p>Basic Skills—Locomotor; e.g., walking, running, hopping, jumping, leaping, rolling, skipping, galloping, climbing, sliding, propulsion through water A3-1 respond to a variety of stimuli to create locomotor sequences</p> <p>Basic Skills—Nonlocomotor; e.g., turning, twisting, swinging, balancing, bending, landing, stretching, curling, hanging A3-3 respond to a variety of stimuli to create nonlocomotor sequences</p> <p>Basic Skills—Manipulative: receiving; e.g., catching, collecting; retaining; e.g., dribbling, carrying, bouncing, trapping; sending; e.g., throwing, kicking, striking A3-5 demonstrate ways to receive, retain and send an object, using a variety of body parts and implements; and, perform manipulative skills individually and with others while using a variety of pathways</p> <p>Application of Basic Skills in an Alternative Environment A3-7 select and perform basic skills in a variety of environments and using various equipment; e.g., snowshoeing</p> <p>Application of Basic Skills in Dance A3-8 select and perform basic dance steps and patterns; e.g., creative, folk, line, sequence and novelty, alone and with others A3-9 select and perform simple movement sequences by using elements of body and space awareness and relationships, alone and with others</p> <p>Application of Basic Skills in Games A3-10 perform and play lead-up games and demonstrate elements of space awareness, effort and relationship A3-11 demonstrate the ability to work together with a teammate/team to achieve a common activity goal while playing and learning the basic strategies of lead-up games</p> <p>Application of Basic Skills in Types of Gymnastics A3-12 select and perform the basic skills in educational gymnastics; e.g., use of different body parts, types of effort, space and relationships to develop a sequence</p> <p>Application of Basic Skills in Individual Activities A3-13 manipulate a variety of small objects while performing basic skills to demonstrate personal control; e.g., juggling</p>	<p>General Outcome B <i>Students will</i> understand, experience and appreciate the health benefits that result from physical activity.</p> <p><i>Students will:</i></p> <p>Functional Fitness B3-1 describe the concept of energy required for muscles B3-2 demonstrate and describe ways to improve personal growth in physical abilities B3-3 experience movement involving the components of health-related fitness; e.g., flexibility, endurance, strength, cardio-respiratory activities</p> <p>Body Image B3-4 describe personal physical attributes that contribute to physical activity</p> <p>Well-being B3-6 describe the benefits of physical activity to the body B3-7 describe the changes that take place in the body during physical activity B3-8 understand the connections between physical activity and emotional well-being; e.g., feels good</p>	<p>General Outcome C <i>Students will</i> interact positively with others.</p> <p><i>Students will:</i></p> <p>Communication C3-1 describe and demonstrate respectful communication skills appropriate to context</p> <p>Fair Play C3-3 identify and demonstrate etiquette and fair play</p> <p>Leadership C3-4 accept responsibility for assigned roles while participating in physical activity</p> <p>Teamwork C3-5 display a willingness to share ideas, space and equipment when participating cooperatively with others</p>	<p>General Outcome D <i>Students will</i> assume responsibility to lead an active way of life.</p> <p><i>Students will:</i></p> <p>Effort D3-1 express a willingness to participate regularly in physical education class D3-2 describe factors that encourage movement and a personal feeling about movement</p> <p>Safety D3-3 demonstrate the ability to listen to directions, follow rules and routines, and stay on task while participating in physical activity D3-4 demonstrate and participate in safe warm-up and cool-down activities D3-5 tell about safe movement experiences in various environments; e.g., gymnastic equipment</p> <p>Goal Setting/Personal Challenge D3-6 set and achieve a short-term goal to increase effort and participation in one area of physical activity D3-7 identify ways to change an activity to make it a challenge based on personal abilities</p> <p>Active Living in the Community D3-8 describe types of physical activities people choose within the community and reasons for their choices D3-9 make appropriate movement choices with consideration for safety of personal space, ability and surrounding environment</p>
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REFLECTION	DEPICTION	COMPOSITION	EXPRESSION
<p>Responses to visual forms in nature, designed objects and artworks.</p> <ol style="list-style-type: none"> Students will make distinctions within classes of natural objects or forms. <ol style="list-style-type: none"> Each class of natural forms has distinguishing characteristics. Natural forms are related functionally to their environment. Earth and water forms reveal many variations. Environments are altered by natural forces. Change in natural forms occurs over time. Students will assess the visual qualities of objects. <ol style="list-style-type: none"> Form should follow function. Durability influences the function of an object. Materials should be used honestly. Materials influence the form and function of an object. Useful objects can be derived from designs in nature. Surface treatments should harmonize with and not detract from the main form. Students will interpret artworks by examining their context and less visible characteristics. <ol style="list-style-type: none"> Contextual information (geographical, historical, biographical, cultural) may be needed to understand works of art. Artistic style is largely the product of an age. Technological change affects types of art. Our associations influence the way we experience a work of art. Art is valued for different reasons; e.g., aesthetic, economic, symbolic, associative. Art serves societal as well as personal needs. 	<p>Development of imagery based on observations of the visual world.</p> <ol style="list-style-type: none"> Students will perfect forms and develop more realistic treatments. <ol style="list-style-type: none"> Shapes can suggest movement or stability. Many shapes are symmetrical. Images can be portrayed in varying degrees of realism. Internal as well as external proportions can be depicted. Landscapes can show middle ground, background and foreground. Size variations among objects give the illusion of depth. Students will select appropriate references for depicting. <ol style="list-style-type: none"> Looking at negative shapes helps create a different view of something. Drawing strategies, such as gesture to capture action, contour to study important edges and massing to show bulk or weight, are helpful in depicting animate forms. Actions among things in a setting create a dynamic interest. Objects can be depicted selectively from a broad range of viewpoints. Students will refine surface qualities of objects and forms. <ol style="list-style-type: none"> Texture can be represented from a range of different studio techniques. Colour can be made to appear dull or bright. Gradations of tone are useful to show depth or the effect of light on objects. By increasing details in the foreground the illusion of depth and reality can be enhanced. 	<p>Organization of images and their qualities in the creation of unified statements.</p> <ol style="list-style-type: none"> Students will create emphasis by the treatment of forms and qualities. <ol style="list-style-type: none"> The centre of interest can be made prominent by contrasting its size, shape, colour or texture from the other parts of the composition. Format can be adjusted and composition tightened by editing or cropping the unnecessary areas from the edges of a work, after it is completed. Details, accents and outlines will enhance the dominant area or thing. Students will create unity by interrelating the parts of a composition. <ol style="list-style-type: none"> The parts can be arranged so that movement in the picture space leads the eye around and not out of the picture area. Parallel edges induce harmony within a composition. Every major area of a composition should be interesting in itself. Limited colours and materials tighten a composition. Students will improve compositions by refining, rehearsing and critiquing. <ol style="list-style-type: none"> Refinement of forms and surface qualities is necessary to give a finished appearance to a composition. Rehearsals and ongoing critiques should be scheduled to improve composing skills. 	<p>Use of art materials as a vehicle or medium for saying something in a meaningful way.</p> <ol style="list-style-type: none"> Students will record or document activities, people and discoveries. <ol style="list-style-type: none"> Everyday activities can be documented visually. Special events, such as field trips, visits and festive occasions can be recorded visually. Family groups and people relationships can be recorded visually. Knowledge gained from study or experimentation can be recorded visually. Local and provincial events can be recorded visually. Students will illustrate or tell a story. <ol style="list-style-type: none"> A narrative can be retold or interpreted visually. An original story can be created visually. Material from any subject discipline can be illustrated visually. Students will decorate items personally created. <ol style="list-style-type: none"> Details, patterns or textures can be added to two-dimensional works. Details, patterns or textures can be added to the surface of three-dimensional works. Students will express a feeling or a message. <ol style="list-style-type: none"> Feelings and moods can be interpreted visually. Specific messages, beliefs and interests can be interpreted visually, or symbolized. Students will create an original composition, object or space based on supplied motivation. <ol style="list-style-type: none"> Outside stimulation from sources such as music, literature, photographs, film, creative movement, drama, television and computers can be interpreted visually. Students will develop themes, with an emphasis on social concerns, based on: <ol style="list-style-type: none"> Plants and animals Environments and places Manufactured or human-made things Fantasy People Students will use media and techniques, with an emphasis on mixing media and perfecting techniques in drawing, painting, print making, sculpture, fabric arts, photography and technographic arts. <ol style="list-style-type: none"> Drawing <ul style="list-style-type: none"> Continue to explore ways of using drawing materials. Use drawing tools to make a variety of lines extending beyond Level One into character and direction—passive, vertical, horizontal, diagonal, parallel. Use drawing tools to make a variety of shapes and structures beyond Level One into symmetrical and asymmetrical, skeletal, spiral, and into mass drawing (blocking in the main parts of a composition). Place more emphasis on direct observation as a basis for drawing. Use drawing to add details, texture or to create pattern including drawing for high detail. Make quick sketches. Make drawings from a wide range of viewpoints. Experiment with blind contour drawing and continuous line drawing. Use drawing media to achieve gradations of tone or value in drawings. Use simple methods to indicate depth or perspective; e.g., increase details in the foreground, use lighter tones or values in the background, large objects in foreground. Painting <ul style="list-style-type: none"> Extend brush skills and further experimentation with the medium so as to achieve special effects such as textures. Continue to paint, using experimental methods including without a brush. Continue working with tempera paint or tempera paint with additives, and be introduced to water colour. Mix paints to show intensity of colour. Continue to use paint in combination with other media and techniques. Apply washes, using tempera or water colour. Use preliminary sketches as the basis for a painting, as well as painting directly. Print Making <ul style="list-style-type: none"> Further explore print-making materials and their uses and effects. Make relief prints (printing from a built-up surface) using glue line, string, cardboard or collage materials. Make prints using stencils. Make smudge or blot prints by folding paper with ink between. Explore printing with more than one colour. Make monoprints, working directly with the plate or a surface. Continue using print-making techniques learned in other grades. Apply print-making techniques to compositions.

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D. Sculpture

- Continue to make two- and three-dimensional assemblages from found materials, reaching for more sophistication leading to specifics, such as puppets, mobiles, mosaics, papier-mâché.
- Continue exploring the modelling possibilities of clay beyond Level One—techniques such as wedging, welding, making of slabs by rolling, throwing, paddling, impressing with objects, decorating with coils, pellets, extruded clay, firing, glazing.
- Continue exploring paper sculpture as a means of making three-dimensional forms.
- Explore wood relief using fastening techniques such as nailing and gluing, and finishing techniques such as sanding and staining.
- Continue casting of plaster, advancing to include both relief and intaglio with a greater emphasis on composition and finishing work.
- Explore the possibilities of simple wire sculpture, including bending, twisting, cutting, looping.

E. Fabric Arts

- Decorate fabric, using simple stitching techniques, such as running stitch, blanket stitch, cross-stitch, couching, French knot, satin stitch.
- Continue to advance weaving techniques beyond Level One to include such things as warping a simple loom; achieving interesting surface qualities with open weave, double weave; using looms that are not rectangular in shape; altering the weave of an existing, loosely woven fabric.
- Use simple batik, using melted wax and one colour of dye.
- Continue using collage, braiding and tie-dyeing techniques from previous grades, if possible.
- Decorate and/or design, using appliqué.

F. Photography and Technographic Arts

- Take advantage of the visual art implications of any available technological device, and explore the potential of emerging technologies. Included at this level, and advancing from previous grades:
 - simple camera for recording specific effects such as textures, rhythm, pattern
 - overhead projector for experimenting with shapes, colours, compositions and sequencing of events, using felt pen on acetate
 - filmstrips handmade with felt pen for experimenting and sequencing
 - slides as a basis for study and motivation in reflection and depiction; handmade for experimenting with line, shape and pattern
 - computer and computer software packages and input devices, such as the light pen and the mouse, to explore, design, compose, animate and program to make simple geometric forms
 - copying devices for making compositions and designs
 - laserdisc visuals as a basis for study and motivation in reflection and depiction
 - 8 mm movie camera for documentation, sequencing and animation
 - lighting sources such as spotlights, flashlights, overhead projector light, disco lights for experimenting with effects
 - emerging new technologies, as available and applicable.
- Employ technological media techniques, practices and capabilities to promote art understanding and create designs and compositions. Included at this level and advancing from previous grades:
 - adjustable framing devices to select and cut out scenes from a larger picture, and to sequence
 - shadow puppets
 - photograms to make compositions or develop a story line
 - printers to record computer compositions, or direct photography off the screen
 - animation techniques available through computer software packages
 - simple film animation with jointed figures, movable paper shapes or plasticene models
 - lighting techniques for highlighting and creating an effect or mood.

<p>GENERAL LEARNER EXPECTATIONS</p> <p>Through the elementary music program, students will develop:</p> <ul style="list-style-type: none"> • enjoyment of music • awareness and appreciation of a variety of music, including music of the many cultures represented in Canada • insights into music through meaningful musical activities • self-expression and creativity • musical skills and knowledge. 											
<p>CONCEPTS</p> <table border="0"> <tr> <td style="vertical-align: top;"> <p>Rhythm The student will understand that:</p> <ul style="list-style-type: none"> • Duration is extended by a dot, a tie or a fermata; e.g., η. , θ_θ or Y • Beats may be grouped in 2s or 3s. • Some music does not have a steady beat. • A time signature tells how beats are grouped in a measure. </td> <td style="vertical-align: top;"> <p>Melody The student will understand that:</p> <ul style="list-style-type: none"> • A melody may have an ending home tone (tonic). </td> <td style="vertical-align: top;"> <p>Harmony The student will understand that:</p> <ul style="list-style-type: none"> • Two or more melodies can occur simultaneously; e.g., rounds, partner songs, descants. • The I and V₇ chords may be used to accompany melodies. • Pitched percussion instruments can be combined to make harmony. </td> <td style="vertical-align: top;"> <p>Form The student will understand that:</p> <ul style="list-style-type: none"> • Musical phrases, which give organization to music, may be short or long. • Music may be accompanied by a repeated pattern (ostinato). </td> <td style="vertical-align: top;"> <p>Expression The student will understand that:</p> <ul style="list-style-type: none"> • Changes in dynamics add to the effect of music. • Musical instruments produce tone colour by being blown, bowed, plucked, strummed, struck, scraped or shaken. </td> <td></td> </tr> </table>						<p>Rhythm The student will understand that:</p> <ul style="list-style-type: none"> • Duration is extended by a dot, a tie or a fermata; e.g., η. , θ_θ or Y • Beats may be grouped in 2s or 3s. • Some music does not have a steady beat. • A time signature tells how beats are grouped in a measure. 	<p>Melody The student will understand that:</p> <ul style="list-style-type: none"> • A melody may have an ending home tone (tonic). 	<p>Harmony The student will understand that:</p> <ul style="list-style-type: none"> • Two or more melodies can occur simultaneously; e.g., rounds, partner songs, descants. • The I and V₇ chords may be used to accompany melodies. • Pitched percussion instruments can be combined to make harmony. 	<p>Form The student will understand that:</p> <ul style="list-style-type: none"> • Musical phrases, which give organization to music, may be short or long. • Music may be accompanied by a repeated pattern (ostinato). 	<p>Expression The student will understand that:</p> <ul style="list-style-type: none"> • Changes in dynamics add to the effect of music. • Musical instruments produce tone colour by being blown, bowed, plucked, strummed, struck, scraped or shaken. 	
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<p>ATTITUDES</p> <p>An enjoyment of music, that is neither trivial nor transient, should permeate the entire music program so that a lasting delight in music is created. If there is no enjoyment in the music program, all the other values will be lost.</p> <p>Positive attitudes toward music are fostered by success in singing, playing instruments, listening, moving, reading (and writing) and creating music.</p>											

OPTIONAL SUBJECT AREAS

GRADE 3 OUTCOMES

<p>Drama: For Grade 3 outcomes in Drama, please refer to the Fine Arts section of the <i>Program of Studies: Elementary Schools</i>.</p> <p>Languages Other than English: Please refer to the <i>Program of Studies: Elementary Schools</i> for Grade 3 outcomes in the following other languages programs:</p> <ul style="list-style-type: none"> • Français • French Language Arts • French as a Second Language • Ukrainian Language Arts • Blackfoot Language and Culture Program • Cree Language and Culture Program

<p>Communicating, Inquiring, Decision Making and Problem Solving</p> <p>General Outcome C1 Students will access, use and communicate information from a variety of technologies.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> 1.1 access and retrieve appropriate information from electronic sources for a specific inquiry 1.2 process information from more than one source to retell what has been discovered <p>General Outcome C2 Students will seek alternative viewpoints, using information technologies.</p> <p>Specific Outcome</p> <ol style="list-style-type: none"> 1.1 [no outcomes for this division] <p>General Outcome C3 Students will critically assess information accessed through the use of a variety of technologies.</p> <p>Specific Outcome</p> <ol style="list-style-type: none"> 1.1 compare and contrast information from similar types of electronic sources <p>General Outcome C4 Students will use organizational processes and tools to manage inquiry.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> 1.1 follow a plan to complete an inquiry 1.2 formulate new questions as research progresses 1.3 organize information from more than one source <p>General Outcome C5 Students will use technology to aid collaboration during inquiry.</p> <p>Specific Outcome</p> <ol style="list-style-type: none"> 1.1 share information collected from electronic sources to add to a group task <p>General Outcome C6 Students will use technology to investigate and/or solve problems.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> 1.1 identify a problem within a defined context 1.2 use technology to organize and display data in a problem-solving context 1.3 use technology to support and present conclusions <p>General Outcome C7 Students will use electronic research techniques to construct personal knowledge and meaning.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> 1.1 develop questions that reflect a personal information need 1.2 summarize data by picking key words from gathered information and by using jottings, point form or retelling 1.3 draw conclusions from organized information 1.4 make predictions based on organized information 	<p>Foundational Operations, Knowledge and Concepts</p> <p>General Outcome F1 Students will demonstrate an understanding of the nature of technology.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> 1.1 identify techniques and tools for communicating, storing, retrieving and selecting information 1.2 apply terminology appropriate to the technologies being used at this division level 1.3 demonstrate an understanding that the user manages and controls the outcomes of technology <p>General Outcome F2 Students will understand the role of technology as it applies to self, work and society.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> 1.1 identify technologies used in everyday life 1.2 describe particular technologies being used for specific purposes <p>General Outcome F3 Students will demonstrate a moral and ethical approach to the use of technology.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> 1.1 demonstrate courtesy and follow classroom procedures when making appropriate use of computer technologies 1.2 work collaboratively to share limited resources 1.3 demonstrate appropriate care of technology equipment 1.4 recognize and acknowledge the ownership of electronic material 1.5 use appropriate communication etiquette <p>General Outcome F4 Students will become discerning consumers of mass media and electronic information.</p> <p>Specific Outcome</p> <ol style="list-style-type: none"> 1.1 compare similar types of information from two different electronic sources <p>General Outcome F5 Students will practise the concepts of ergonomics and safety when using technology.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> 1.1 demonstrate proper posture when using a computer 1.2 demonstrate safe behaviours when using technology <p>General Outcome F6 Students will demonstrate a basic understanding of the operating skills required in a variety of technologies.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> 1.1 perform basic computer operations, which may vary by environment, including powering up, inserting disks, moving the cursor, clicking on an icon, using pull-down menus, executing programs, saving files, retrieving files, printing, ejecting disks and powering down 1.2 use proper keyboarding techniques for the home row, enter, space bar, tab, backspace, delete and insertion-point arrow keys 1.3 operate basic audio and video equipment, including inserting, playing, recording and ejecting media 	<p>Processes for Productivity</p> <p>General Outcome P1 Students will compose, revise and edit text.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> 1.1 create original text, using word processing software, to communicate and demonstrate understanding of forms and techniques 1.2 edit complete sentences, using such features of word processing as cut, copy and paste <p>General Outcome P2 Students will organize and manipulate data.</p> <p>Specific Outcome</p> <ol style="list-style-type: none"> 1.1 read information from a prepared database <p>General Outcome P3 Students will communicate through multimedia.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> 1.1 access images, such as clip art, to support communication 1.2 create visual images by using such tools as paint and draw programs for particular audiences and purposes 1.3 access sound clips or recorded voice to support communication <p>General Outcome P4 Students will integrate various applications.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> 1.1 integrate text and graphics to form a meaningful message 1.2 balance text and graphics for visual effect <p>General Outcome P5 Students will navigate and create hyperlinked resources.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> 1.1 navigate within a document, compact disc or other software program that contains links 1.2 access hyperlinked sites on an intranet or the Internet <p>General Outcome P6 Students will use communication technology to interact with others.</p> <p>Specific Outcomes</p> <ol style="list-style-type: none"> 1.1 compose a message that can be sent through communication technology 1.2 communicate electronically with people outside the classroom
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Note: The ICT curriculum is not intended to stand alone as a course but rather to be infused within core courses and programs.