



Kit B Connections to the Alberta English Language and Literature (ELAL) Curriculum

Bug Club Morphology (BCM) supports the teaching of many outcomes in the Alberta Language Arts and Literature Curriculum. BCM supports the ELAL curriculum as a whole by

- providing a detailed explanation and related research about the concept of morphology
- using terminology (morphemes, prefixes, suffixes, affixes, bases, word origins, etc.) addressed in the curriculum
- increasing students' overall morphological knowledge

Organizing Idea: Text Forms and Structures

BCM supports this strand of the curriculum by

- including a variety of text forms/structures/features in the reading passages
- offering prompts and suggestions for discussing these text forms/structures/features in the lesson
- exposing students to diverse Canadian content in culturally responsive and relevant texts, including current Indigenous content and ways of knowing in every kit

Organizing Idea: Oral Language

BCM supports this strand of the curriculum by

- embedding opportunities for students to talk and listen to each other during every lesson (Activating Prior Knowledge, Time to Talk)
- enabling students to connect to their prior knowledge, articulate opinions, and construct meaning about the content of the reading passage
- providing time for collaborative work during word study activities and investigations

Organizing Idea: Vocabulary

BCM supports this strand of the curriculum by

- analyzing the meanings of words and word parts (morphemes)
- including the specific affixes referenced in the ELAL curriculum in grades 3–6
- teaching roots with Greek and Latin origins
- providing students with opportunities to engage with vocabulary with the focus morphemes in authentic text
- supporting students in predicting meanings of unfamiliar words using morphological cues
- providing text and prompts through which students can develop vocabulary when reading, writing, listening, and speaking
- providing opportunities to integrate knowledge of vocabulary and word study across multiple literacy contexts
- supporting students in developing morphological knowledge to analyze and understand new words in context
- addressing many Tier 2 and 3 vocabulary words



Organizing Idea: Phonics

BCM supports this strand of the curriculum by

- building on and reinforcing phonics knowledge

Organizing Idea: Comprehension

BCM supports this strand of the curriculum by

- providing authentic opportunities for students to apply their language knowledge and skills to read cross-curricular content
- providing prompts for students to connect to their own experiences and make predictions and/or inferences about the text
- providing teacher script in the lessons to ensure teachers can support their students with comprehension of the reading passage

Organizing Idea: Writing

BCM supports this strand of the curriculum by

- providing students with the opportunity to write in every lesson
- including reading passages that can be used both as a mentor text for student writing and as a springboard for generating ideas
- incorporating writing activities that focus on a variety of qualities, including purpose, audience, point of view, word choice, etc.
- encouraging students to use vocabulary with the morphemes being taught in their writing

Organizing Idea: Conventions

BCM supports this strand of the curriculum by

- including the specific morphemes referenced in the ELAL curriculum in grades 3–6
- embedding the review and teaching of parts of speech in the lessons
- regularly demonstrating how morphemes change the part of speech and often the function of a word
- supporting teachers in their discussion about morphemes and the many related spelling conventions and patterns
- addressing inflectional suffixes, tense, and compound words

Note: In addition to the ELAL Curriculum, teachers will find many connections to outcomes in other subject areas, in particular, Mathematics and Science. Please see the Kit B correlation to specific outcomes in ELAL and other Alberta curricula that begins on the next page.

Kit B Correlation to Specific Outcomes in ELAL and Other the Alberta Curricula

Card	Title (Topic)	Focus/Additional Morpheme(s)	ELAL Curriculum	STEAM and Other Curricula
B1	My Drum Story (making a drum)	<i>-ful, -or*</i> suffixes	<p>Review of Gr. 3 Vocabulary: Suffix -or Gr. 4 Text Forms and Structures: Personal recount, first-person narration</p> <p>Gr. 4 Vocabulary: Suffix -ful Gr. 4 Vocabulary: Examine morphemes in words to determine meaning</p> <p>Gr. 4 Comprehension: Making predictions, making connections between texts and self, between a text and other texts, and between texts and the world</p> <p>Gr. 4 Writing: Share perspectives on a topic in a clear and focused manner</p>	<p>Science Gr. 2 Energy: Behaviours of light and sound</p> <p>Social Studies Gr. 3 Time and Place: First Nations work to strengthen language, culture, and identity</p>
B2	Razi the Goose (the migration of geese)	<i>-y</i> suffix	<p>Review of Gr. 3: Text Forms and Structures: Maps</p> <p>Gr. 4 Text Forms and Structures: First-person narration</p> <p>Gr. 4 Vocabulary: Suffix -y Gr. 4 Vocabulary: Figurative language includes personification</p> <p>Gr. 4 Vocabulary: Examine morphemes in words to determine meaning</p>	<p>Science Gr. 3 Living Systems</p> <p>Science Gr. 5 Earth Systems: Climate affects various aspects of animal activity, including migration patterns</p>

Card	Title (Topic)	Focus/Additional Morpheme(s)	ELAL Curriculum	STEAM and Other Curricula
			<p>Gr. 4 Comprehension: Making predictions, making connections between texts and self, between a text and other texts, and between texts and the world</p> <p>Gr. 4 Writing: Create written texts using a variety of text forms and structures</p>	
B3	Elephant Toothpaste (chemical reactions)	<p>act root</p> <p><i>ex-, pro-, un-*</i> prefixes</p> <p><i>-ion</i> suffix</p>	<p>Review of Gr. 3 Vocabulary: Prefix <i>un-</i></p> <p>Gr. 4 Text Forms and Structures: Procedural text (experiment)</p> <p>Gr. 4 Vocabulary: Examine morphemes in words to determine meaning</p> <p>Gr. 4 Vocabulary: Words derived from various origins including other languages</p> <p>Gr. 4 Writing: Create written texts using a variety of text forms and structures</p> <p>Gr. 6 Vocabulary: Many words with Greek or Latin roots are still in use today</p>	<p>Science Gr. 3 Matter: Conduct an investigation to demonstrate changes of state</p> <p>Science Gr. 5, Gr. 6 Matter: Physical properties of solids, liquids, and gases</p>
B4	Small but Mighty (scientific inventions)	<p>micro- prefix</p> <p><i>-ist, * -logy</i> suffixes</p>	<p>Review of Gr. 3 Vocabulary: Suffix <i>-ist</i></p> <p>Gr. 4 Text Forms and Structures: Informational text</p> <p>Gr. 4 Vocabulary: Examine morphemes in words to determine meaning</p> <p>Gr. 6 Comprehension: Context clues in texts include information in pictures, diagrams, charts, or graphs</p>	<p>Science Gr. 2 Energy: Behaviours of light and sound</p> <p>Science Gr. 5 Scientific Methods: Phenomena can be observed and measured using technologies such as microscopes</p> <p>Science Gr. 6 Living Systems: Biotic components of an ecosystem include microorganisms</p>

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			Gr. 6 Writing: Word choice can reflect the author's voice or style can express opinions	
B5	What's in a Number?	<i>uni-, bi-, du-, tri-, mono-, di-, tri-</i> prefixes	Gr. 4 Comprehension: Making predictions, making connections to personal experiences and background knowledge Gr. 4 Text Forms and Structures: Informational text Gr. 4 Vocabulary: Examine morphemes in words to determine meaning Gr. 4 Writing: Create written texts for a variety of audiences and purposes	Math Gr. 3 Measurement: Metric units are named using prefixes that indicate the relationship to the basic unit Math Gr. 4 Measurement Math Gr. 4 Time
B6	Get Moving! REVIEW CARD (B1–B5)	<i>-ful</i> <i>-y</i> <i>act</i> <i>micro-</i> <i>uni-, bi-, du-, tri-, mono-, di-, tri-</i> (<i>-ive</i>)	Gr. 3 Conventions Gr. 4 Comprehension Gr. 4 Text Forms and Structures: Informational text Gr. 4 Vocabulary: Suffixes <i>-ful</i> and <i>-y</i>	Science Gr. 5: Living Systems: Biological processes Physical Education and Wellness Gr. 4: Active Living
B7	Across the Way (polygons and diagonals)	<i>dia-</i> prefix <i>poly-</i> prefix	Gr. 4 Vocabulary: Examine morphemes in words to determine meaning Gr. 4 Vocabulary: Figurative language includes personification Gr. 4 Comprehension: Making predictions, making connections between texts and self, between a text and other texts, and between texts and the world	Math Gr. 3, Gr. 4 Geometry: Geometric properties

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			<p>Gr. 4 Writing: Create written texts using a variety of text forms and structures</p> <p>Gr. 6 Comprehension: Context clues in texts include information in pictures, diagrams, charts, or graphs</p>	
B8	The Perfect Photo	<p><i>photo, phon (phone)</i> roots</p> <p><i>sym-, tele-, xylo-</i> prefixes</p>	<p>Review of Gr. 3: Text Forms and Structures: Maps</p> <p>Gr. 4 Text Forms and Structures: Informational text</p> <p>Gr. 4 Vocabulary: Examine morphemes in words to determine meaning</p> <p>Gr. 4 Comprehension: Making predictions, making connections between texts and self, between a text and other texts, and between texts and the world</p> <p>Gr. 4 Writing: Create written texts using a variety of text forms and structures</p> <p>Gr. 6 Comprehension: Context clues in texts include information in pictures, diagrams</p> <p>Gr. 6 Vocabulary: Many words with Greek or Latin roots are still in use today</p>	<p>Science Gr. 2 Energy: Behaviours of light and sound</p> <p>Science Gr. 4 Earth Systems: Earth's systems interact with one another, resulting in environments that sustain life</p> <p>Science Gr. 4: Living Systems: Plants can detect sensory stimuli, such as light, which help them grow and survive</p> <p>Science Gr. 6 Living Systems: Plants carry out the process of photosynthesis, which uses light, water, and carbon dioxide to produce oxygen and food</p>
B9	Waste in Our World	<p><i>-able, -ible</i> suffixes</p> <p><i>de-</i> prefix</p>	<p>Review of Gr. 3 Conventions: Use adjectives to describe nouns</p> <p>Gr. 4 Text Forms and Structures: Informational text, graphic</p> <p>Gr. 4 Vocabulary: Suffix <i>-able, -ible</i></p>	<p>Science Gr. 4 Matter: Methods of waste management that can reduce negative environmental impacts include reducing, reusing, recycling, repurposing, repairing, composting</p>

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			<p>Gr. 4 Vocabulary: Examine morphemes in words to determine meaning</p> <p>Gr. 4 Comprehension: Making predictions, making connections between texts and self, between a text and other texts, and between texts and the world</p> <p>Gr. 6 Comprehension: Context clues in texts include information in pictures, diagrams</p>	<p>Science Gr. 4 Earth Systems: Conservation can be practised through personal actions, including reducing waste</p> <p>Science Gr. 6 Energy: Responsible management of energy resources includes waste management practices</p>
B10	A Sense of Belonging (Indigenous Friendship Centre)	-ship suffix	<p>Gr. 3 Oral Language: Interactions between generations; sharing of traditional knowledge</p> <p>Gr. 4 Text Forms and Structures: Informational text (Q&A format)</p> <p>Gr. 4 Oral Language: Connections to people, the community</p> <p>Gr. 4 Vocabulary: Examine morphemes in words to determine meaning</p> <p>Gr. 4 Comprehension: Making predictions, making connections between texts and self, between a text and other texts, and between texts and the world</p>	<p>Science Gr. 3 Matter: First Nations, Métis, and Inuit communities interact with natural materials for specific purposes, such as teepees and clothing</p> <p>Science Gr. 3 Earth Systems: Relationships with land provide intergenerational knowledge of Earth's surface for many First Nations, Métis, and Inuit</p> <p>Science Gr. 4 Earth Systems: First Nations, Métis, and Inuit hold understandings of Earth systems that sustain life, including that all things are interconnected</p> <p>Physical Education and Wellness Gr. 4: Character Development: strategies that support resilience</p> <p>Physical Education and Wellness Gr. 4: Healthy Relationships: First Nations, Métis, and Inuit communities have traditional events, processes, and ceremonies to renew relationships, restore balance, and reconcile conflict.</p>

Card	Title (Topic)	Focus/Additional Morpheme(s)	ELAL Curriculum	STEAM and Other Curricula
B11	Textile Art	<i>multi-</i> prefix	Gr. 4 Text Forms and Structures: Informational text Gr. 4 Vocabulary: Examine morphemes in words to determine meaning Gr. 4 Comprehension: Making predictions, making connections between texts and self, between a text and other texts, and between texts and the world	Math Gr. 2 Patterns: Patterns can be found and created in cultural designs Math Gr. 4 Number: Multiplication
B12	A Sound Invention REVIEW CARD (B7–B11)	<i>dia-</i> <i>photo, phon</i> <i>(phone)</i> <i>-able, -ible</i> <i>-ship</i> <i>multi-</i> <i>(fore-)</i>	Gr. 4 Text Forms and Structures: Informational text (diagram) Gr. 4 Vocabulary: Suffixes <i>-able</i> and <i>-ible</i> Gr. 4 Comprehension Gr. 4 Conventions	Science Gr. 2 Energy: Behaviours of light and sound
B13	All Thanks to Engineers!	<i>spect</i> root <i>-ism</i> suffix	Gr. 4 Text Forms and Structures: Informational text Gr. 4 Vocabulary: Examine morphemes in words to determine meaning Gr. 4 Comprehension: Making predictions, making connections between texts and self, between a text and other texts, and between texts and the world Gr. 6 Writing: Word choice can reflect the author’s voice or style, including in texts that express opinions	Science Gr. 3 Computer Science: Creativity is an important part of computer science, technology, and engineering Science Gr. 3 Computer Science: Canadians are responsible for many creative inventions Science Gr. 4 Energy: Forces can act on objects without contact Science Gr. 4 Computer Science: Design involves processes that can transform ideas into artifacts that meet needs Math Gr. 4 Measurement: Angles can be classified according to their measure

Card	Title (Topic)	Focus/Additional Morpheme(s)	ELAL Curriculum	STEAM and Other Curricula
			Gr. 6 Vocabulary: Many words with Greek or Latin roots are still in use today	Science Gr. 6 Energy: Analyzing forces
B14	A Berry Important Job (farming)	<i>over-, under-</i> prefixes	Gr. 4 Text Forms and Structures: Informational text (diagram) Gr. 4 Vocabulary: Examine morphemes in words to determine meaning Gr. 4 Comprehension: Making predictions, making connections between texts and self, between a text and other texts, and between texts and the world	Science Gr. 3 Earth Systems: Human activities that can change Earth's surface include growing crops and farming (agriculture) Science Gr. 5: Earth Systems: Analyze climate and connect it to weather conditions and agricultural practices Science Gr. 5: Living Systems: Vital biological processes of complex organisms include growth
B15	Wildlife Crossings (wildlife protection and conversation)	<i>-ion</i> suffix <i>over-, under-</i> prefixes	Gr. 4 Vocabulary: Examine morphemes in words to determine meaning Gr. 4 Comprehension: Making predictions, making connections between texts and self, between a text and other texts, and between texts and the world Gr. 4 Writing: Create written texts for a variety of audiences and purposes Gr. 5: Text Forms and Structures: News article	Science Gr. 3 Living Systems: Plants and animals in local environments can be protected by actions Science Gr. 4 Earth Systems: Investigate the systems of Earth and reflect on how their interconnections sustain life (conservation) Science Gr 4 Living Systems: Organisms have external structures that can vary (animals may have claws, teeth, legs, shells, skins, or other structures) Science Gr. 5 Earth Systems: Climate affects various aspects of animal activity, including migration patterns

Card	Title (Topic)	Focus/Additional Morpheme(s)	ELAL Curriculum	STEAM and Other Curricula
B16	The Spring Equinox	<i>equ</i> root <i>mid-, un-</i> prefixes	<p>Review of Gr. 3 Vocabulary: Prefix <i>un-</i></p> <p>Gr. 4 Text Forms and Structures: Informational text</p> <p>Gr. 4 Vocabulary: Examine morphemes in words to determine meaning</p> <p>Gr. 6 Vocabulary: Words that are specific to First Nations, Métis, and Inuit languages can be found in the people, places, and things that surround us</p> <p>Gr. 6 Vocabulary: Many words with Greek or Latin roots are still in use today</p>	<p>Math Gr. 3 Measurement: length</p> <p>Science Gr. 4 Earth Systems: First Nations, Métis, and Inuit hold understandings of Earth systems that sustain life, including that all things are interconnected</p> <p>Science Gr. 5 Space: Equinoxes and solstices</p> <p>Science Gr. 6 Space: The solar system is a complex group of celestial bodies that include the Sun</p> <p>Physical Education and Wellness Gr. 4: Character Development: experiences on the land are significant to learning and personal development in First Nations, Métis, and Inuit communities.</p>
B17	Interconnected (the internet)	<i>inter-, intra-</i> prefixes	<p>Gr. 4 Text Forms and Structures: Informational text (biographical profile)</p> <p>Gr. 4 Vocabulary: Examine morphemes in words to determine meaning</p> <p>Gr. 4 Comprehension: Making predictions, making connections between texts and self, between a text and other texts, and between texts and the world</p> <p>Gr. 4 Writing: Create written texts for a variety of audiences and purposes.</p>	<p>Science Gr. 3 Computer Science: Investigate creativity and its relationship to computational thinking</p> <p>Science Gr. 3 Computer Science: Canadians are responsible for many creative inventions</p> <p>Social Studies Gr. 4 Citizenship: Rights and freedoms</p> <p>Science Gr. 6 Computer Science: Taking information from the internet</p>

Card	Title (Topic)	Focus/Additional Morpheme(s)	ELAL Curriculum	STEAM and Other Curricula
B18	Inspiration on the Field REVIEW CARD (B13–B17)	<i>spect</i> <i>over-, under-</i> <i>-ion</i> <i>equ</i> <i>inter-</i> <i>(post-)</i>	Gr. 4 Text Forms and Structures: Informational text (biographical profile) Gr. 4 Vocabulary Gr. 4 Comprehension Gr. 4 Conventions	Science Gr. 5: Living Systems: Biological processes

Focus morphemes are in **bold**.

ELAL outcomes that match morphemes on the card are in **bold**.

*Those morphemes with an asterisk are from earlier grade level curriculum, but will be reviewed in Kit B.