

Bug Club Morphology: Kit A Scope & Sequence

Card	Title (Topic)	Focus	Meaning(s)	Vocabulary	Spelling Convention(s)	Additional Prefix(es) / Suffix(es)	STEAM Focus	Text Type(s)/Form	
A1	Sunflowers (life cycle of a sunflower)	-s, -es suffixes	plural marker of nouns	sunflowers butterflies buds leaves colours shells roots dishes	change <i>y</i> to <i>i</i> and add <i>-es</i>		Science	Labelled Cycle Diagram	
A2	Understanding Force (pushing and pulling forces; simple machines)	-ed, -ing suffixes	form past or present tense	pushed applied pushing using added crafted scraping cutting	replace silent <i>e</i> with vowel suffix doubling final consonant three pronunciations of suffix <i>-ed</i>		Science Engineering	Informational Text	
A3	Bigger or Smaller? (making comparisons)	-er, -est suffixes	create adjectives for comparing two or more than two things	bigger stronger smoother rougher biggest strongest smoothest roughest	change <i>y</i> to <i>i</i> and add <i>-er</i> or <i>-est</i> doubling final consonant		Science Art Math	Informational Text	
A4	Reducing Waste (refilling and reusing things)	re- prefix	again; once more; back	refill reusable remade repurpose reuse recycle redo reduce	letter <i>e</i> as orthographic marker in words ending in <i>ce, se</i>	-less (suffix; "without")	Science	Hybrid: Advertisement and Social Media Posts	
A5	Two Métis Structures (Red River cart, trapper's tent)	struct root	to build	structure construct construction reconstruct structures constructed deconstruct reconstructed		de- (prefix; "the opposite of") re- (prefix; "again") -ure (suffix; "the result of")	Engineering	Informational Text	
A6	REVIEW CARD: -s, -es, -ed, -ing, -er, -est, re-, struct								
A7	Natural Materials (Ojibway uses of natural materials)	-ly suffix	like; in the manner of	quickly Ideally gently carefully slowly traditionally commonly respectfully	if base ends in <i>l</i> , retain the <i>l</i> and add <i>-ly</i> if base ends in consonant and <i>le</i> , change <i>le</i> to <i>-ly</i> change <i>y</i> to <i>i</i> and add <i>-ly</i>	-al (suffix; changes some nouns to adjectives)	Science	Interview: Q&A Format	
A8	Staying Safe Online	un-, dis- prefixes	not; the opposite of	unusual uncomfortable dishonest disrespectful unsafe unhappy dislike disconnect			Technology	Informational Text: Q&A Format	
A9	Fiction or Nonfiction?	non-, in- prefixes	<i>non-</i> : not lack of <i>in-</i> : in; not	nonfiction nonverbal information investigate nonexistent nonsense invent invisible		-ish (suffix; "like or having the quality of")	Language Arts	Informational Text	
A10	Below the Surface (human-made underground and underwater structures)	sub-, super- prefixes	<i>sub-</i> : under; beneath; below; secondary <i>super-</i> : above; over; beyond	subway substitute submarines supervise subterranean suburban submerge supervising			Engineering	Informational Text	
A11	Ready for an Eruption? (volcanic eruptions)	rupt root	to break or burst	erupt eruption rupture disrupt erupts erupted interrupt disruptive	retain the <i>r</i> in both the prefix and root (e.g., <i>interrupt</i>)	dis- (prefix; "apart"); e- (prefix; "out") inter- (prefix; "between") -ive (suffix; "doing or being") -ure (suffix; "the result of")	Science	Procedural Text: Experiment	
A12	REVIEW CARD: -ly, un-, dis-, non-, in-, sub-, super-, rupt								
A13	Scotty (Canadian discovery of largest <i>Tyrannosaurus rex</i> skeleton)	pre- prefix	before	prefix prediction prepare prevent predict prehistoric preserve present			Science	Informational Text with Flow Chart	
A14	Scientists at Work (Canadian scientists)	-or, -ar, -er, -ist suffixes	one who (also "one who practises" for <i>ist</i>)	instructor scholar writer scientist operator singer dentist paleontologist			Science	Biographical Profiles	
A15	Dictionary Numbers (history of dictionaries)	dict/dic root	to say	predict dictionary diction indicate prediction predicted dictate contradict		-ate (suffix; "to act on") co- (prefix; "together") contra- (prefix; "against or opposite") -ion (suffix; "the act or state of")	History Language Math	Fact Sheet with Timeline	
A16	Mistakes and Mishaps! (using growth mindset to learn from mistakes)	mis-, mal- prefixes	badly; wrongly	mistake mishap misunderstanding malfunction misbehaving misplaced misadventure malnourish		retain the <i>s</i> in both the prefix and root (e.g., <i>misspell</i>)	Science Engineering Math	Fictional Text: Social Media Posts	
A17	The Sacred Cedar (Coast Salish uses of red cedar)	-ness suffix	- the state or quality of	happiness stillness sacredness openness kindness usefulness interconnectedness wilderness	change <i>y</i> to <i>i</i> and add <i>-ness</i>	a- (prefix; "on, in, or into") inter- (prefix; "among or between")	Science Math	Informational Text with Map/Legend and Biographical Profile	
A18	REVIEW CARD: pre-, -or, -ar, -er, -ist, dict/dic, mis-, mal-, -ness								