

Bug Club Morphology: Kit C Scope & Sequence

Card	Title (Topic)	Focus Morpheme(s)	Meaning(s)	Vocabulary			Spelling Convention(s)	Additional Prefix(es) / Suffix(es)	STEAM Focus	Text Type(s)/Form
C1	What Do YOU Think? (opinions on zoos)	per- prefix	- through; thoroughly	permit permission persuade	persuasive persevere perfect	permanent permanently		pre- (prefix; "before")	Science	School Newspaper Opinion Column
C2	The Language of Coding (computer coding)	trans- prefix	- across	transportation translate transmit	transmitted transfer transform	transforming transit			Technology	Informational Text including Visuals of Computer Coding
C3	Endangered! (sea turtles)	-ous suffix	- full of; characterized by	various spacious poisonous	hazardous nervous courageous	harmoniously famous	<ul style="list-style-type: none"> • for words ending in silent e, replace the e with -ous • for words ending in a consonant and y, change y to i and add -ous • for words ending in ce, replace the e with an i and add -ous 		Science	Photo Essay (Neil Ever Osborne)
C4	Let's Talk Numbers (history of written numbers; mathematicians)	-ial, -ian suffixes	-ial: having; relating to; characterized by -ian: one who comes from; one who is skilled in	influential beneficial essential	essentially historian Iranian	Persian mathematician			Math	Biographical and Informational Text with Table
C5	Circles All Around (circles in Nehiyaw/ Cree culture)	circ root	- circle; ring	circle circles circular	semicircle semicircular circumference	encircle circulate		en- (prefix; "to put in") semi- (prefix; "half") -ular (suffix; "relating to")	Math	Informational Text
C6	Book It to the Library! (review C1–C5): per-, trans-, -ous, -ial, -ian, circ									
C7	Mahcacowayis: Gift Lake (Métis Settlement)	com- prefix	- together; with	community compassionate communicated	comfortable committed company	companions accompany		-ee (suffix; "a person or group who") -ity (suffix; "the condition or quality of being")	Science, Art	Autobiographical Text
C8	The Skeletal System	-ic, -al, -ical suffixes	- of; having to do with; relating to	athletic skeletal musculoskeletal	internal survival physical	critical medical			Science	Informational Text with Labelled Visuals
C9	Meet a Conductor (music conductor)	-ance, -ence suffixes	- the state or quality of; the act of	performance entrance significance	perseverance audience influence	confidence patience	<ul style="list-style-type: none"> • to change adjectives to nouns, replace the suffix -ant with -ance and -ent with -ence; for verbs ending in ure or ear, add -ance; for verbs ending with ere, add -ence. 	-ant, -ent (suffix; "being; the state or quality of")	Art	Interview with Informational Sidebar
C10	Quite a Sight! (various inventions)	scope root	- to look at or see	microscope microscopic telescope	telescopic kaleidoscope stethoscope	periscope fibrescope		micro- (prefix; "small") peri- (prefix; "around") tele- (prefix; "at a distance")	Science, Technology	Timeline
C11	Wisdom in Wampum (Haudenosaunee wampum belt)	ad- prefix	- to; toward	advice adventures adjust	adapt adopt advise	advises advisors			Art	Informational Text
C12	Science Exploration (review C7–C11): com-, -ic, -al, -ical, -ance, -ence, scope, ad-									

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C13	Kicking for Gold (Inuit one-foot high kick)	ob- prefix	- in front of; against	object objective obstacle	obtrusive observe observations	obvious obviously		-ion (suffix; "the result of") -ive (suffix; "doing" or "being")	Science, Math	Sportscast Transcript with Table
C14	Consider the Force (forces acting on structures)	-ity suffix	- the condition or quality of being	stability instability gravity	reality ingenuity responsibility	possibility impossibility	• adding -ity creates abstract nouns		Engineering	Informational Text
C15	What's the Matter? (states of matter; physical/chemical changes)	-ment suffix	- the act of; the state of; the result of	experiment arrangement movement	environment equipment enjoyment	improvement document	• adding -ment usually creates nouns		Science	Informational Text with Experiment
C16	The Wonders of Water	hydr, aqua roots	- water	dehydrate rehydrate hydropower	hydroelectric aquariums semiaquatic	aquanauts aqualung		de- (prefix; "remove" or "undo") re- (prefix; "again")	Science	Informational Text with Labelled Diagram
C17	Explorer's Log	ex- prefix	- out	explore explorer expedition	extends examined exhausting	exit exceeded		e- (prefix; "out") -ian (suffix; "one who comes from") in- (prefix; "in")	Science	Entries in an Explorer's Log
C18	Swim, Climb, or Dig? (review C13–C17): ob- , -ity , -ment , hydr , aqua , ex-									