

Bug Club Morphology: Kit D 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
D1	Drone Power	en- prefix	- to put in; to make or cause to be	engulfed enables enthusiastic	ensures enrich engage	enacted enforce			Science, Technology	Informational Text
D2	Canadian Wildlife	-ary suffix	- of; relating to; connected with	dietary solitary customary	momentary cautionary primary	secondary legendary			Science	Informational Text
D3	Fractured!	fract root	- to break	fraction fractions fracture	fractures fractured refract	refraction infraction		-ion (suffix: "the act of; the state of; the result of") re- (prefix: "again; back")	Science, Math	Hybrid Text (Informational, Recipe)
D4	Supervillains Unite!	anti- (ant-) prefix	- the opposite of; against	anticrime antidote antifreeze	antibiotics antagonist Antarctica	antonym antonyms		counter- (prefix: "the opposite of; against") -ist (suffix: "one who")	Art	Comic
D5	Life in Labrador	pro- prefix	- forward; forth; in front of; before	prominent products production	protect protection process	provide provides			Science	Photo Essay
D6	An Unexpected Discovery (review D1–D5): en-, -ary, fract, anti- (ant-), pro-									
D7	A Hidden Gem (Blackfoot Crossing Historical Park)	-en suffix	- made of; consisting of (adjectives) - to cause to be (verbs)	hidden golden wooden	sunken strengthen woven	enlighten deepen		en- (prefix: "to put in; to make or cause to be")	Art, Engineering	Informational Text
D8	Coral Reefs in Danger	bio- prefix	- life; living	biology biologist biologists	biodiverse biodiversity biotic	abiotic symbiotic		a- (prefix: "not; without") auto- (prefix: "oneself; by itself") sym- (prefix: "with; together")	Science	Magazine Article
D9	An Inventors Museum (Canadian Multicultural Inventors Museum)	-logy suffix	- the study of	technology biology microbiology	immunology ideology zoology	psychology sociology		-ist (suffix: "one who")	Science, Technology, Engineering	Interview
D10	Stewards of the Land (Kendall Island Migratory Bird Sanctuary)	con-, com- prefixes	- together; with	congregate convened conducted	conservation community combine	combination comprehensive		co- (prefix: "together; with")	Science	Informational Text
D11	Stretched! (plasticity, elasticity)	form root	- figure or shape (nouns) - to shape or create (verbs)	transform transformation deform	deformation conforms inform	information format		con- (prefix: "together; with") de- (prefix: "do the opposite of; undo")	Science	Hybrid Text (Informational, Procedural)
D12	She Chose Spiders! (review D7–D11): -en, bio-, -logy, con-, com-, form									

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D13	A Celebration in the Sky (fireworks)	<i>-ize</i> suffix	- to cause to be; to make	realize harmonize prioritize	modernize maximize minimize	legalize summarize	- for words ending in <i>y</i> , remove the <i>y</i> and add <i>-ize</i> - for words ending in <i>um</i> , remove the <i>um</i> and add <i>-ize</i>		Science	Informational Text
D14	Early Forms of Writing	<i>graph</i> , <i>scribe (script)</i> roots	- to write; something written or drawn	pictographs ideographic logographic	calligraphy describe manuscripts	scribes scripture		<i>de-</i> (prefix: “down”)	Art	Informational Text
D15	Green Energy (fictional energy company)	<i>il-, ir-</i> prefixes	- not; the opposite of	illogical illegal illegally	illiterate irregular irresponsible	irreversible irrational	- the prefix <i>il-</i> is used for words beginning with <i>l</i> ; <i>ir-</i> is used for words beginning with <i>r</i> (the original <i>l</i> and <i>r</i> are retained creating the double letter)	<i>im-, in-</i> (prefixes: “not; the opposite of”)	Science, Technology	Advertisement
D16	Paddle into the Past (Métis Crossing)	<i>port</i> root	- to carry	export passport transport	transporting transportation portaged	portaging important		<i>-ation</i> (suffix: “the act or result of”) <i>trans-</i> (prefix: “across”)	Science, Technology	Informational Text with Map
D17	Noel’s Space Blog	<i>astro (aster)</i> root	- star; outer space	astronauts astronomy astronomers	astrophysicists astrophysical astrology	asteroids disaster			Science, Technology, Engineering	Blog Entries
D18	Exploring the Cosmos (review D13–D17): <i>-ize, graph, scribe (script), il-, ir-, port, astro (aster)</i>									