

Suggested Units by Grade for Virginia Science and Computer Science Standards of Learning (SOLS) 2018



Grade Level	Curriculum Series	Suggested Units			
Kindergarten	YES Elementary™	Engineering Sun Hats	K.1, K.8a-c	YES Enrichment™ Engineering Bandages	K.1
	EiE® for Kindergarten	Here's the Scoop: Designing Trash Collectors	K.1a-f, K.2a-c, K.3a-d, K.4a-b, K.7a, K.10a-d, K.11c	EiE® for Kindergarten Programming Robots to Recycle	K.1a-f, K.7a, K.11a-c
1 st Grade	YES Elementary™	Engineering Nightlights	1.1, 1.3a, 1.3c	Engineering is Elementary® To Get to the Other Side: Designing Bridges	1.1a-f, 1.3a-b
	EiE® for Kindergarten	Raise the Roof: Designing Shelters	1.1, 1.3a, 1.3c, 1.5a, 1.6a	Computer Science Essentials® Programming Robots	1.1a, 1.2a, 1.3, 1.5, 1.9
2 nd Grade	YES Elementary™	Engineering Pumpkin Pollinators	2.1, 2.4a, 2.5a-c, 2.8a	YES Elementary™ Engineering Magnetic Dog Doors	2.1, 2.2a-c
	YES Enrichment™	Engineering Sails	2.1, 2.2a-c	Computer Science Essentials® Creating Animations	2.1a-c, 2.2a-c, 2.3, 2.4, 2.5, 2.12
3 rd Grade	Engineering is Elementary®	A Work in Process: Improving a Play Dough Process	3.1, 3.3a-b	YES Enrichment™ Engineering Rescue Shuttles	3.2a-c
	Engineering is Elementary®	Catching the Wind: Designing Windmills	3.1a-f, 3.2a-d	Computer Science Essentials® Creating Automated Systems	3.1a-c, 3.2a-c, 3.3, 3.4, 3.6, 3.8, 3.9, 3.13
4 th Grade	YES Enrichment™	Engineering Sock Assistive Devices	4.1a, 4.1b, 4.1d	Engineering is Elementary® Now You're Cooking: Designing Solar Ovens	4.1a-f, 4.4b
	Engineering is Elementary®	A Long Way Down: Designing Parachutes	4.1a-f, 4.5a-c	Computer Science Essentials® Creating Computer Games	4.1a-d, 4.2a-d, 4.3, 4.4, 4.5, 4.6, 4.8, 4.12, 4.13
5 th Grade	YES Elementary™	Engineering Safety Vests	5.1f, 5.4b	Engineering Adventures® Shake Things Up: Engineering Earthquake-Resistant Buildings	5.1a-f, 5.2a, 5.8b
	Engineering is Elementary®	A Stick in the Mud: Evaluating a Landscape	5.1a-f, 5.8a-d	Computer Science Essentials® Analyzing Digital Images	5.1a-e, 5.2a-e, 5.3, 5.4, 5.5, 5.7, 5.11, 5.12, 5.13

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6 th Grade	<i>YES Elementary™</i> Engineering Plastic Filters	6.1, 6.8d, 6.9a-f	<i>YES Middle School™</i> Engineering Eco-Friendly Slippers
	<i>EiE® Engineering Everywhere</i> Growing Up: Engineering Vertical Farms	6.1a-f, 6.4a, 6.6f	
Life Science	<i>Engineering Adventures®</i> Go Fish: Engineering Prosthetic Tails	LS.1a-f, LS.3b, LS.7b	<i>YES Middle School™</i> Engineering a Virus Response (Coming Soon)
Physical Science	<i>YES Middle School™</i> Engineering Medicine Coolers	PS.3 PS.5	<i>YES Middle School™</i> Engineering Landing Pads
	<i>EiE® Engineering Everywhere</i> Put a Lid on It: Engineering Safety Helmets	PS.8a-b	