














































Suggested Units by Grade for New York Standards

Grade Level	Curriculum Product	Suggested Units		
Preschool	Wee Engineer®	<i>Designing Fans, Designing Wrecking Balls, Designing Rafts, Designing Noisemakers</i>		
Kindergarten	EiE® for Kindergarten	K.PS3-2 	K.ESS3-3 	
	Raise the Roof: Designing Shelters		EiE® for Kindergarten Here's the Scoop: Designing Trash Collectors	Engineering is Elementary A Work in Process: <i>(virtual)</i> Improving a Play Dough Process
1st Grade	Engineering is Elementary	1-PS4-4 	Essentials Companion Lighten Up: Designing Lighting Systems	K-2.CT.1, 4, 6-12 
	Sounds Like Fun: Seeing Animal Sounds		1-PS4-2., 1-PS4-3 	Essentials Companion Programming Robots
2nd Grade	Engineering is Elementary	2-ESS1-1, 2-ESS2-1 	Essentials Companion The Best of Bugs: <i>(virtual)</i> Designing Hand Pollinators	K-2.CT.1, 4, 6-12 
	A Stick in the Mud: Evaluating a Landscape		2-LS4 	Essentials Companion Creating Animations
3rd Grade	Engineering is Elementary	3-PS2-1 	Essentials Companion The Attraction is Obvious: Designing Maglev Systems	3-5.CT.1-12 
	To Get to the Other Side: Designing Bridges		3-PS2-3 	Essentials Companion Building Automated Systems
	Engineering is Elementary	3-PS2-1 	Engineering is Elementary Solid as a Rock: Replicating an Artifact	3-PS2-1 
	Marvelous Machines: Making Work Easier		3-LS4-1 	Engineering Adventures Go Green: <i>(virtual)</i> Engineering Recycled Racers
	Engineering Adventures	3-PS2-1, 3-PS2-2 	Engineering Adventures Hop To It: Safe Removal of Invasive Species	3-5-ETS1-1,2,3
	The Sky's the Limit: <i>(virtual)</i> Engineering Flying Technologies		3-LS4-3,4 	Engineering is Elementary No Bones About It: Designing Knee Braces
4th Grade	Engineering is Elementary	4-LS1-1 	Essentials Companion Now You're Cooking: Designing Solar Ovens	3-5.CT.1-12 
	Just Passing Through: <i>(virtual)</i> Designing Model Membranes		4-PS3-2 	Essentials Companion Designing Computer Games
	Engineering is Elementary	4-LS1-1 	Engineering is Elementary Catching the Wind: Designing Windmills	4-PS3-2, 4-PS4-1 
	Thinking Inside the Box: Designing Plant Packages		4-ESS3-1 	Engineering Adventures Music to My Ears: <i>(virtual)</i> An Acoustical Engineering Challenge
	Engineering Adventures	4-ESS2-2 	Engineering Adventures A Slippery Slope: Engineering an Avalanche Protection System	4-PS3-2,4 
	Shake Things Up: <i>(virtual)</i> Engineering Earthquake-Resistant Buildings		4-PS3-2, 4-PS4-1 	Engineering Adventures Light Up the Night: An Electrical Engineering Challenge

KEY

 PHYSICAL SCIENCE EARTH & SPACE SCIENCE LIFE SCIENCE COMPUTER SCIENCE

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4 th Grade	Engineering Adventures Bubble Bonanza	3-5-ETS1-1,2,3		
5 th Grade	Engineering is Elementary Taking the Plunge: Designing Submarines	5-PS1-4 	Essentials Companion A Slick Solution: Cleaning an Oil Spill	5-LS1-1, 5-LS2-1  Essentials Companion Analyzing Digital Images 3-5.CT.1-12 
	Engineering is Elementary An Alarming Idea: Designing Alarm Circuits	5-PS1-3 	Engineering is Elementary A Long Way Down: Designing Parachutes	5-PS2-1  Engineering is Elementary Water, Water Everywhere: Designing Water Filters 5-ESS3-1 
	Engineering Adventures To The Rescue: <i>(virtual)</i> Engineering Aid Drop Packages	5-PS2-1 	Engineering Adventures In Good Hands: Engineering Space Gloves	5-PS1-3  Engineering Adventures Liftoff: Engineering Rockets and Rovers 5-PS2-1 
6 th Grade	Engineering Everywhere Don't Runoff: <i>(virtual)</i> Engineering An Urban Landscape	MS-ESS3-3 	Engineering Everywhere Food for Thought: Engineering Ice Cream	MS-PS1-8  Engineering Everywhere Here Comes the Sun: Engineering Ice Cream MS-PS3-3 
	Engineering Everywhere Go Fish: Engineering Prosthetic Tails	MS-ETS1-1,2,3,4		
7 th Grade	Engineering Everywhere Growing Up: Engineering Vertical Farms	MS-LS1-5 	Engineering Everywhere Its in the Bag: Engineering Bioinspired Gear	MS-LS2-5  Engineering Everywhere Plants to Plastic: Engineering Bioplastics MS-PS1-3 
	Engineering Everywhere Put a Lid on it: Engineering Safety Helmets	MS-PS1-7 	Engineering Everywhere Testing the Water: Engineering a Water Reuse Process	MS-LS2-5 
8 th Grade	Engineering Everywhere Its About Time: <i>(virtual)</i> Engineering Timers	MS-ETS1-1,2,3,4	Engineering Everywhere Outbreak Alert: <i>(virtual)</i> Engineering a Pandemic Response	MS-LS3-1  Engineering Everywhere Worlds Apart: Engineering Remote Sensing Devices MS-ESS1-3 

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