












Suggested Units by Grade for Georgia Standards of Excellence, Science and Computer Science

Grade Level	Curriculum Product Suggested Units		
Pre K	<i>Wee Engineer</i> ® Designing Fans, Designing Wrecking Balls, Designing Rafts, Designing Noisemakers		
Kindergarten	<i>EiE</i> ® for Kindergarten SKE1 Raise the Roof: Designing Shelters	<i>EiE</i> ® for Kindergarten SKP1 Here's the Scoop: Designing Trash Collectors	
1 st Grade	<i>Engineering Essentials</i> ® S1P1 Lighten Up: Designing Lighting Systems	<i>Computer Science Essentials</i> ® CSS.IDC.K-2.4 CSS.CT.K-2.5 CSS.DA.K-2.9 Programming Robots	<i>Engineering is Elementary</i> ® S1P1 Sounds Like Fun: Seeing Animal Sounds
2 nd Grade	<i>Engineering is Elementary</i> ® S1L1 Just Passing Through: Designing Model Membranes	<i>Engineering is Elementary</i> ® S1L1 Thinking Inside the Box: Designing Plant Packages	
2 nd Grade	<i>Engineering is Elementary</i> ® S2P1 Taking the Plunge: Designing Submersibles	<i>Engineering is Elementary</i> ® S2P2 Catching the Wind: Designing Windmills	<i>Engineering Essentials</i> ® S2L1 Best of Bugs: Designing Hand Pollinators
2 nd Grade	<i>Computer Science Essentials</i> ® CSS.IDC.K-2.4 CSS.CT.K-2.5 CSS.DA.K-2.9 Creating Animations		
3 rd Grade	<i>Engineering is Elementary</i> ® S3E1 A Sticky Situation: Designing Walls	<i>Engineering is Elementary</i> ® S3E1 A Stick in the Mud: Evaluating a Landscape	<i>Engineering is Elementary</i> ® S3E1 Solid as a Rock: Replicating an Artifact
3 rd Grade	<i>Engineering is Elementary</i> ® S3P1 Now You're Cooking: Designing Solar Ovens	<i>Computer Science Essentials</i> ® CSS.CT.3-5.5 CSS.CC.3-5.6 CSS.GC.3-5.7 Designing Computer Games	<i>Engineering Adventures</i> ® S3P1 In Good Hands: Designing Space Gloves
3 rd Grade	<i>Engineering Adventures</i> ® S3L1 Hop to It: Removal of Invasive Species	<i>Engineering is Elementary</i> ® S3L2 Water, Water Everywhere: Designing Water Filters	
4 th Grade	<i>Engineering Adventures</i> ® S4P2 Music to My Ears: An Acoustical Engineering Challenge	<i>Engineering is Elementary</i> ® S4P3 To Get to the Other Side: Designing Bridges	<i>Engineering is Elementary</i> ® S4P3 A Long Way Down: Designing Parachutes
4 th Grade	<i>Engineering is Elementary</i> ® S4P3 Marvelous Machines: Making Work Easier	<i>Engineering Adventures</i> ® S4P3 To the Rescue: Engineering Aid Drop Packages	<i>Engineering Adventures</i> ® S4P3 Sky's the Limit: Engineering Flying Technologies
4 th Grade	<i>Engineering Adventures</i> ® S4P3 Go Green: Engineering Recycled Racers	<i>Engineering Adventures</i> ® S4P3 Liftoff: Engineering Rockets and Rovers	<i>Engineering Essentials</i> ® S4L1 A Slick Solution: Cleaning an Oil Spill
4 th Grade	<i>Computer Science Essentials</i> ® CSS.IDC.3-5.4 CSS.CT.3-5.5 CSS.CC.3-5.6 Analyzing Digital Images		
5 th Grade	<i>Engineering Adventures</i> ® S5E1 A Slippery Slope: Engineering an Avalanche Protection System	<i>Engineering Adventures</i> ® S5E1 Shake Things Up: Engineering Earthquake-Resistant Buildings	<i>Engineering is Elementary</i> ® S5P1 A Work in Process: Improving a Play Dough Process
5 th Grade	<i>Engineering is Elementary</i> ® S5P2 An Alarming Idea: Designing Alarm Circuits	<i>Engineering Adventures</i> ® S5P2 Light Up the Night: An Electrical Engineering Challenge	<i>Engineering is Elementary</i> ® S5P3 The Attraction is Obvious: Designing a Maglev System
5 th Grade	<i>Computer Science Essentials</i> ® CSS.IDC.3-5.4 CSS.CT.3-5.5 CSS.CC.3-5.6 Building Automated Systems		

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6 th Grade	<i>Engineering Everywhere®</i> Here Comes the Sun: Engineering Insulated Homes S6E4 	<i>Engineering Everywhere®</i> Don't Runoff: Engineering an Urban Landscape S6E6 	<i>Engineering Everywhere®</i> Testing the Waters: Engineering a Water Reuse Process S6E6 
7 th Grade	<i>Engineering Everywhere®</i> Go Fish: Engineering Prosthetic Tails S7L2 	<i>Engineering Everywhere®</i> Outbreak Alert: Engineering a Pandemic Response S7L3 	<i>Engineering Everywhere®</i> Growing Up: Engineering Vertical Farms S7L4 
	<i>Engineering Everywhere®</i> It's in the Bag: Engineering Bioinspired Gear S7L5 		
8 th Grade	<i>Engineering Everywhere®</i> Plants to Plastics: Engineering Bioplastics S8P1 	<i>Engineering Everywhere®</i> Food for Thought: Engineering Ice Cream S8P1 	<i>Engineering Everywhere®</i> Put a Lid on It: Engineering Safety Helmets S8P2 
	<i>Engineering Everywhere®</i> Worlds Apart: Remote Sensing Devices S8P4 	<i>Engineering Everywhere®</i> It's About Time: Engineering Timers 