



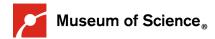
Suggested Units by Grade for Ohio's Learning Standards for Science, Computer Science, and Technology

Grade Level	Curriculum Product Suggested Units								
Pre K	Wee Engineer® Designing Fans, Designing Wi	recking Balls,	Desigr	ning Rafts, Designing Noisem	nakers				*
Kindergarten	EIE® for Kindergarten Raise the Roof: Designing Shelters	K.ESS.1	•	EIE® for Kindergarten Here's the Scoop: Designing Trash Collectors	K.PS.1		Engineering is Elementary® Just Passing Through: Designing Model Membranes	K.LS.2	1
	EIE® for Kindergarten Sort It Out: Programming Robots to Recycle	ATP.A.K.a ATP.VDR.K.a							
1 st Grade	Engineering is Elementary® Water, Water Everywhere: Designing Water Filters	1.ESS.2	()	Engineering is Elementary® Thinking Inside the Box: Designing Plant Packages	1.LS.2	\$	Engineering Essentials® Designing Hand Pollinators	1.LS.1 1.LS.2	S
	Computer Science Essentials® Programming Robots	ATP.A.1.a ATP.M.1.a		Engineering is Elementary® A Sticky Situation: Designing Walls	1.PS.1	()			
2 nd Grade	Engineering is Elementary® Catching the Wind: Designing Windmills	2.ESS.1	•	Engineering is Elementary® To Get to the Other Side: Designing Bridges	2.PS.1		Engineering is Elementary® A Long Way Down: Designing Parachutes	2.PS.1	1 8
	Computer Science Essentials® Creating Animations	ATP.M.2.a ATP.PD.2.a-l							
3 rd Grade	Engineering is Elementary® Solid as a Rock: Replicating an Artifact	3.ESS.1	•	Engineering is Elementary® An Alarming Idea: Designing Alarm Circuits	3.PS.3	*	Engineering is Elementary® A Work in Process: Improving a Play Dough Process	3.PS.2	*
	Engineering Essentials® Designing Lighting Systems	3.PS.3	®	Engineering Adventures® In Good Hands: Designing Space Gloves	3.PS.3	®	Engineering Essentials® Designing Maglev Systems	3.PS.3	8
	Computer Science Essentials® Building Automated Systems	CS.D.3.a	-1	Engineering Adventures® Light Up the Night: An Electrical Engineering Challenge	3.PS.3	*	Engineering Adventures® Music to My Ears: An Acoustical Engineering Challenge	3.PS.3	®
4 th Grade	Engineering is Elementary® A Stick in the Mud: Evaluating a Landscape	4.ESS.1	()	Engineering is Elementary® Taking the Plunge: Designing Submersibles	4.ESS.1	3	Engineering Adventures® A Slippery Slope: Engineering an Avalanche Protection System	4.ESS.2	•
	Engineering Essentials® Designing Solar Ovens	4.PS.2	8	Computer Science Essentials® Designing Computer Games	ATP.VDR. 4.a		Engineering Adventures® Go Green: Engineering Recycled Racers	4.PS.2	10
	Engineering Adventures® Hop to It: Removal of Invasive Species	4.LS.1	100						
5 th Grade	Engineering Essentials® Cleaning an Oil Spill	5.LS.1	•	Computer Science Essentials® Analyzing Digital Images	DA.VC.5.a		Engineering is Elementary® Marvelous Machines: Making Work Easier	5.PS.1	8
	Engineering Adventures® Liftoff: Engineering Rockets and Rovers	5.PS.1	⊗	Engineering Adventures® The Sky's the Limit: Engineering Flying Technologies	5.PS.1	®	Engineering Adventures® Shake Things Up: Engineering Earthquake- Resistant Buildings	5.PS.1	
	Engineering is Elementary® Sounds Like Fun: Seeing Animal Sounds	5.PS.2	®						









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Level										
6 th Grade	Engineering Everywhere® It's in the Bag: Engineering Bioinspired Gear	6.LS.4	Engineering Everywhere® Go Fish: Engineering Prosthetic Tails	6.LS.4	Engineering Everywhere® Outbreak Alert: Engineering a Pandemic	6.LS.4				
7 th Grade	Engineering Everywhere® Don't Runoff: Engineering an Urban Landscape	7.ESS.1	Engineering Everywhere® Testing the Waters: Engineering a Water Reuse Process	7.ESS.1	Engineering Everywhere® Here Comes the Sun: Engineering Insulated Homes	7.PS.4				
	Engineering Everywhere® Worlds Apart: Remote Sensing Devices	7.PS.4	Engineering Everywhere® Growing Up: Engineering Vertical Farms	7.LS.2						
8 th Grade	Engineering Everywhere® Put a Lid on It: Engineering Safety Helmets	8.PS.1	Engineering Everywhere® Plants to Plastics: Engineering Bioplastics	8.PS.2	Engineering Everywhere® Food for Thought: Engineering Ice Cream					
	Engineering Everywhere® It's About Time: Engineering Timers									