Museum of Science®

EiE®

Suggested Units by Grade for
Arizona Science Standards

Grade Level	*Curriculum Product* Suggested Units		
Pre K	*Wee Engineer®* Designing Fans, Designing Wrecking Balls, Designing Rafts, Designing Noisemakers		
Kindergarten	*EIE® for Kindergarten* K.P2U1.1 Raise the Roof: Designing Shelters	*EIE® for Kindergarten* Here's the Scoop: Designing Trash Collectors	*Engineering is Elementary®* K.P2U2.2 A Work in Process: Improving a Play Dough Process
1st Grade	*Engineering Essentials®* 1.P2U1.1 Lighten Up: Designing Lighting Systems	*Computer Science Essentials®* 1.CS.T.1 1.DA.S.1 1.AP.PD.1-4 Programming Robots	*Engineering is Elementary®* 1.L1U1.6 1.L2U2.7 Thinking Inside the Box: Designing Plant Packages
	Engineering is Elementary® 1.P2U1.2 Sounds Like Fun: Seeing Animal Sounds	*Engineering is Elementary®* 1.P3U1.3 Marvelous Machines: Making Work Easier	*Engineering is Elementary®* 1.P3U1.3 To Get to the Other Side: Designing Bridges
2nd Grade	*Engineering Essentials®* 2.L2U1.9 Best of Bugs: Designing Hand Pollinators	*Computer Science Essentials®* 2.AP.A.1 2.AP.C.1 2.AP.M.1 Creating Animations	*Engineering is Elementary®* 2.L2U1.10 Just Passing Through: Designing Model Membranes
	Engineering is Elementary® 2.P1U1.1 Taking the Plunge: Designing Submersibles	*Engineering Adventures®* 2.P4U1.3 In Good Hands: Designing Space Gloves	*Engineering Adventures®* 2.P1U1.1 Sky's the Limit: Engineering Flying Technologies
3rd Grade	*Computer Science Essentials®* 3.AP.C.1 3.AP.M.1 3.AP.PD.1 Building Automated Systems	*Engineering Adventures®* 3.P2U1.2 Music to My Ears: An Acoustical Engineering Challenge	*Engineering is Elementary®* 3.P4U1.3 An Alarming Idea: Designing Alarm Circuits
	Engineering Adventures® 3.P4U1.3 Light Up the Night: An Electrical Engineering Challenge	*Engineering Adventures®* 3.L1U1.5 Hop to It: Removal of Invasive Species	*Engineering Adventures®* Go Green: Engineering Recycled Racers
4th Grade	*Computer Science Essentials®* 4.AP.1.1 4.AP.V.1 4.AP.C.1 Designing Computer Games	*Engineering is Elementary®* 4.P2U1.3 The Attraction is Obvious: Designing a Maglev System	*Engineering is Elementary®* 4.E1U1.7 Solid as a Rock: Replicating an Artifact
	Engineering is Elementary® 4.P4U1.1 Now You're Cooking: Designing Solar Ovens	*Engineering is Elementary®* 4.E1U3.9 A Stick in the Mud: Evaluating a Landscape 4.E1U3.9	*Engineering is Elementary®* 4.E1U3.9 Water, Water Everywhere: Designing Water Filters
	Engineering Adventures® 4.E1U3.9 A Slippery Slope: Engineering an Avalanche Protection System	*Engineering is Elementary®* 4.E1U3.9 Catching the Wind: Designing Windmills	*Engineering is Elementary®* No Bones About it: Designing Knee Braces
5th Grade	*Engineering Essentials®* 5.L3U1.9 A Slick Solution: Cleaning an Oil Spill	*Computer Science Essentials®* 5.AP.1.1 5.AP.V.1 5.AP.C.1 Analyzing Digital Images	*Engineering is Elementary®* 5.P1U1.2 A Sticky Situation: Designing Walls
	Engineering is Elementary® 5.P2U1.3 A Long Way Down: Designing Parachutes	*Engineering Adventures®* 5.P3U1.4 5.P3U2.5 Liftoff: Engineering Rockets and Rovers	*Engineering Adventures®* 5.P3U1.4 5.P3U2.5 To the Rescue: Engineering Aid Drop Packages
	Engineering Adventures® 5.P3U1.4 5.P3U2.5 Sky's the Limit: Engineering Flying Technologies	*Engineering Adventures®* 5.E2U1.8 Shake Things Up: Engineering Earthquake-Resistant Buildings	
6th Grade	6.E1U1.6 *Engineering Everywhere®* Here Comes the Sun: Engineering Insulated Homes	*Engineering Everywhere®* 6.L2U3.11 Don't Runoff: Engineering an Urban Landscape	*Engineering Everywhere®* 6.L2U3.11 Testing the Waters: Engineering a Water Reuse Process
	Engineering Everywhere® 6.L2U1.13 Growing Up: Engineering Vertical Farms		

KEY | PHYSICAL SCIENCE EARTH SCIENCE LIFE SCIENCE COMPUTER SCIENCE

Contact sales@mos.org or visit eie.org for more information.

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7th Grade	*Engineering Everywhere®* 7.E1U1.6 Worlds Apart: Remote Sensing Devices	*Engineering Everywhere®* 7.P3U1.3 It's About Time: Engineering Timers	*Engineering Everywhere®* 7.P3U1.4 Put a Lid on It: Engineering Safety Helmets
8th Grade	*Engineering Everywhere®* 8.P4U1.3 Food for Thought: Engineering Ice Cream	*Engineering Everywhere®* 8.L4U1.11 Outbreak Alert: Engineering a Pandemic Response	*Engineering Everywhere®* 8.L4U1.12 It's in the Bag: Engineering Bioinspired Gear
	Engineering Everywhere® 8.L4U1.12 Go Fish: Engineering Prosthetic Tails	*Engineering Everywhere®* 8.P1U1.2 Plants to Plastics: Engineering Bioplastics	

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