



EiE Unit Overviews

Available Titles

Unit Title	Science Topic	Engineering Field	Storybook/Setting	Grade Level (A=Advanced Grades 3-5, B=Basic Grades 1-2)
Catching the Wind: Designing Windmills	Wind & Weather	Mechanical	Leif Catches the Wind (Denmark)	B
Water, Water Everywhere: Designing Water Filters	Water	Environmental	Saving Salila's Turtle (India)	A
A Sticky Situation: Designing Walls	Earth Materials	Materials	Yi Min's Great Wall (China)	B
To Get to the Other Side: Designing Bridges	Balances and Forces	Civil	Javier Builds a Bridge (USA - Latino)	B
Marvelous Machines: Making Work Easier	Simple Machines	Industrial	Aisha Makes Work Easier (USA - African American)	A
Sounds Like Fun: Seeing Animal Sounds	Sound	Acoustical/ Communication	Kwame's Sound (Ghana)	A
The Best of Bugs: Designing Hand Pollinators	Insects/Plants	Agricultural	Mariana Becomes a Butterfly (Dominican Republic)	B
Just Passing Through: Designing Model Membranes	Organisms	Bioengineering	Juan Daniel's Fútbol Frog (El Salvador)	A
An Alarming Idea: Designing Alarm Circuits	Electricity	Electrical	A Reminder for Emily (Australia)	A
A Work in Process: Improving a Play Dough Process	Solids & Liquids	Chemical	Michelle's MVP Award (Canada)	B
A Stick in the Mud: Evaluating a Landscape	Landforms	Geotechnical	Suman Crosses the Karnali River (Nepal)	A
Thinking Inside the Box: Designing Plant Packages	Plants	Package	A Gift From Fadil (Jordan)	A
The Attraction is Obvious: Designing Maglev Systems	Magnetism	Transportation	Hikaru's Toy Troubles (Japan)	A
Now You're Cooking: Designing Solar Ovens	Energy	Green	Lerato Cooks Up a Plan (Botswana)	A
It's a Long Way Down: Designing Parachutes	Astronomy	Aerospace	Paulo's Parachute Mission (Brazil)	A
Solid as a Rock: Replicating an Artifact	Rocks & Minerals	Materials	Galya and Natasha's Rocky Adventure (Russia)	A
A Slick Solution: Cleaning an Oil Spill	Ecosystems	Environmental	Tehya's Pollution Solution (USA - Native American)	A
Taking the Plunge: Designing Submersibles	Sinking & Floating	Ocean	Despina Makes a Splash (Greece)	A

Future Units

Science Topic	Engineering Field	Storybook/Setting	Grade Level (A or B)
Light	Optical	Egypt	A
Human Body	Biomedical	Germany	A