



**Willoughby-Eastlake City Schools**  
**School of Innovation**  
**Engineering is Elementary Unit Overview**

Unit Title	Design Challenge	Science Topic	Engineering Field	Storybook/Setting
<b>Third Grade</b>				
Solid as a Rock	Replicating an Artifact	Rocks	Materials	Galya and Natasha's Rocky Adventure (Russia)
The Best of Bugs	Designing Hand Pollinators	Insects and Plants	Agricultural	Mariana Becomes a Butterfly (Dominican Republic)
<b>Fourth Grade</b>				
A Stick in the Mud	Evaluating a Landscape	Landforms	Geotechnical	Suman Crosses the Karnali River (Nepal)
An Alarming Idea	Designing Alarm Circuits	Electricity	Electrical	A Reminder for Emily (Australia)
<b>Fifth Grade</b>				
A Slick Solution	Cleaning an Oil Spill	Ecosystems	Environmental	Tehya' Pollution Solution (U.S.A)
Lighten Up	Designing Light Systems	Light	Optical	Omar's Time to Shine (Egypt)
<b>Sixth Grade</b>				
Just Passing Through	Design Model Membranes	Organisms	Bioengineering	Juan Daniel's Futbol Frog (El Salvador)

