

Grade	<u>Nature of Science & Engineering</u>	<u>Physical Science</u>	<u>Earth Science</u>	<u>Life Science</u>
K	What is an Engineer? Animals as Engineers	Goldilocks Just Right Chairs 3 Billy Goats Gruff (Bridges)	<i>The North Wind & the Sun</i> Weather & Climate 3 Little Pigs (Houses)	Visual Life Cycle Models Animal Mascots
1	What is an Engineer? Lego Tower Challenge	Light and Sound Waves Design a drum to communicate over a distance	Cycles in Space Design a Magnification Tool	Animals as Engineers Design a Tool
2	Engineering for Animals Design an Elephant Trunk	Design a Lego Tower/Bridge Scale Drawing	Mapping & Modeling – 2D to 3D Design a system to prevent beach erosion	Ecosystems Design a Pollinator
3	Creating Models Boom Town Communities	Measuring Light Laser Light Maze Design	Design a parachute Solar Cooker Investigations	Animal Classification Design a new animal
4	Compare Scientists & Engineers Design a Totem Pole	K'Nex Car Investigations & Design	Build a Dugout (Native Americans) Design and Test a Boat Florida History	Garden Design Design a Water Filter
5	Fields of Engineering 3D Printed Catapult Investigations & Design	Bridge Testing & Design Design a Home Lighting System	Hurricane Preparedness Plan Design a Lunar Mission (Kennedy Space Center)	Medical Engineering for the Body Design a Lunar Habitat