unit 10

Wind and Water Change the Earth
**DESIGN CHALLENGE:**
How can we design, test and improve structures to prevent wind erosion?

**STORYLINE**
In this unit, students will learn about the surface of the Earth, including what covers the surface of the Earth, how the surface of the Earth is changed by wind and water, and what engineers can do to help solve problems related to wind erosion. This unit emphasizes the Crosscutting Concepts of Stability and Change and Patterns.

First, students will seek evidence about what covers the surface of the Earth using a globe game and creating graphs of the class findings. Then, they will explore various landforms and bodies of water that make up Earth’s landscapes.

Then, students will learn about slow and fast changes to the surface of the Earth, including the erosion of soil. They will learn to recognize both fast and slow changes to the Earth’s surface.

Finally, students will discover problems caused by wind erosion and use the engineering design cycle to design, test, and improve solutions to wind erosion.