

California Content Standards

6th GRADE

**Activity 6.1:
Beaches—Here Today,
Gone Tomorrow?**

**Activity 6.2:
Shifting
Sands**

**Activity 6.3:
Rollin’ Down the
Sand Highway**

Science Content Standards

2. Earth Sciences

Topography is reshaped by weathering of rock and soil and by the transportation and deposition of sediment. As the basis for understanding this concept:

2.a.

Students know water running downhill is the dominant process in shaping the landscape, including California’s landscape.

X

X

X

2.c.

Students know beaches are dynamic systems in which the sand is supplied by rivers and moved along the coast by the action of waves.

X

X

X

Mathematics Content Standards

Number Sense 1.2.

Interpret and use ratios in different contexts (e.g., batting averages, miles per hour) to show the relative sizes of two quantities, using appropriate notations (a/b , a to b , $a:b$).

X

Algebra and Functions 2.0.

Students analyze and use tables, graphs, and rules to solve problems involving rates and proportions.

X

Algebra and Functions 2.2.

Demonstrate an understanding that *rate* is a measure of one quantity per unit value of another quantity.

X

Algebra and Functions 2.3.

Solve problems involving rates, average speed, distance, and time.

X