



CTS Guides Related to “Beach Sand” probe: Ideas from the standards related to this probe Gradeband 6-8

CTS Study Guide:

Processes That Change the Surface of the Earth, p. 183

From the National Science Education Standards:

- Sediments of sand and smaller particles develop from landforms on earth, are carried by rivers and are gradually buried, cemented together by dissolved minerals, and form solid rock again.

CTS Study Guide:

Weathering and Erosion, p. 192

From the National Science Education Standards:

- Rivers and glaciers carry off soil and mountain sediments, eventually depositing the material...or carrying it in solution to the sea.
- Landforms are the result of a combination of constructive and destructive forces. Constructive forces include... deposition of sediment, while destructive forces include weathering and erosion.

From Benchmarks for Science Literacy:

- Processes of the rock cycle, such as erosion, transport, and deposition will lead to later understandings of the processes that form beaches. Simple materials with lots of observation can assist in student understanding, as well as the examining of sand with magnifiers. This will help them understand the origin of sand from rock, and the rock can be later traced back to landforms such as mountains and exposed bedrock.

References from *Science Curriculum Topic Study - Bridging the Gap Between Standards and Practice*, by Page Keeley