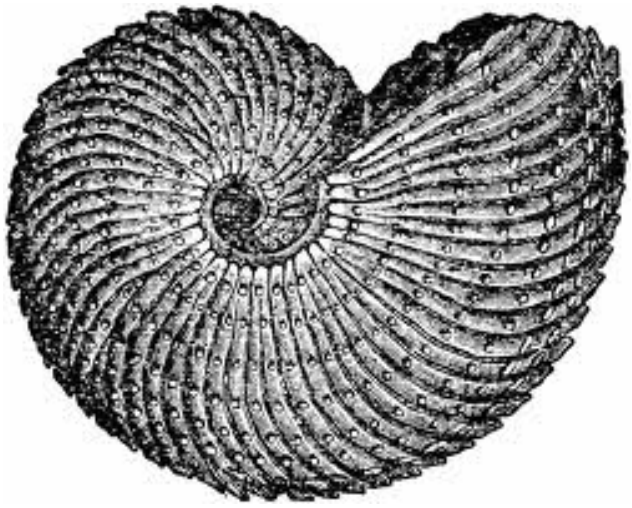
SANTA CRUZ MUSEUM
of natural history

FOSSIL KIT



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Fossil Kit

Overview

This kit contains real fossils found in Santa Cruz County. They can be removed from the kit for observation and study, but please handle them with care, as they are real museum specimens. We have also provided supplemental information, materials, and activities to enhance student learning about local fossils.

Kit Activities & NGSS Standards

While the Fossil Kit activities can be adapted for many ages, they are specifically designed to meet the following NGSS Standards for grade 3.

NGSS Standards

3-LS4-1: Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago

- *LS4.A: Evidence of Common Ancestry and Diversity*- Some kinds of plants and animals that once lived on Earth are no longer found anywhere. Fossils provide evidence about the types of organisms that lived long ago and also about the nature of their environments

Kit Contents

Specimens & Materials:

- Fossil specimens (13)
- Specimen ID cards (13)
- Megalodon tooth replica
- Magnifying glasses (20)
- Rulers *(15cm)* (20)
- “Types of Fossils” Cards (24)
- Measuring Tape *(300 ft)*
- Sidewalk Chalk (12 pack)

Supplemental Visual Resources:

- Geologic Time Scale
- Geologic Map of Santa Cruz
- Sea Cover over Central CA during the Pliocene epoch

Books:

- *Dinosaur Lady* by Linda Skeers
- *Fossils Tell Stories* by Yu-ri Kim
- *Curious About Fossils* by Kate Waters

Additional Book Recommendations:

**not included in this kit*

- *Cruisin' the Fossil Coastline: The Travels of an Artist and a Scientist along the Shores of the Prehistoric Pacific* by Kirk R. Johnson
- *A Brief History of Life on Earth* by Clemence Dupont