

Modeling Earth Structures

Summary

Students will use modeling clay to form Earth features found in sedimentary rock.

Time Frame

1 class periods of 60 minutes each

Group Size

Pairs

Materials

- clay (4 colors)
- wax paper or a surface to work on
- plastic knife
- [student sheet](#)
(attached)

Instructional Procedures

Read the introduction with students.

Make sure all students can draw the stratigraphy of the rock type. Some students may notice that the limestone is imbedded in a layer of shale but four layers is enough.

Hand out clay and read the first set of directions so students understand they are making a large block and cutting it into four parts, each of which they will then experiment on.

Allow time for students to finish. If they are stumped by #5, you might suggest an asteroid impact or volcano or uplift from below.

Bibliography

Lesson Design by Jordan School District Teachers and Staff.

Authors

[Utah LessonPlans](#)