Lesson	Activity	@Home Lesson	Activity Description	Suggested Modality	Reasoning	Teacher/Student Provided Materials	Consumable Materials	Non-Consumable Materials	LAUSD Replacement Materials
1.3	Observing Sand Samples	3	Students compare sand samples, noting similarities and differences in properties such as size and color	hands-on	Students do observations just as scientists do to compare things to help them answer their questions. (If sand types are not available, use the hands on video)	glue, index cards (4 per student)	4 baggies per student labeled Sand 1, Sand 2, Sand 3, and Sand 4 with 4 different types of sand. (jagged black, jagged tan, large rounded multi-colored, fine playground)	hand lens 1 per student (teacher provided)	4 baggies per student labeled Sand 1, Sand 2, Sand 3, and Sand 4 with 4 different types of sand. (jagged black, jagged tan, large rounded multi-colored, fine playground)
1.6	Explaining Landform Changes	5	Students will gather evidence that sand can change shape.	hands-on	Students shake the cup with candy to visualize processes they cannot observe. The candy represents a grain of sand.	hard candy, plastic cup covered with plastic wrap			
2.2	Modeling Landform Changes	6	Students spray chalk with water to explore how water can change landforms	hands-on	This could be assigned as a hands-on activity or students can observe the video demonstration.	plastic container, water	chalk	hand lens 1 per student (teacher provided)	chalk piece per student
2.5	Scale of Erosion	8	Students rub two pumice rocks together and observe what happens. This helps students visualize the small scale of the pieces that erode from landforms.	watch video	There are only 18 pumice rocks in the kit. In order for students to do this at home, you would need 2 pumice rocks per student.				
3.2	Investigating Differences in Scale	11	Students model erosion by removing pom poms from the mountain until a change is noticeable.	watch video	This is a class model. (The kit has only enough to create one model.) It could be done as a hands on if students were to each create a model with a bag of pom poms.			bag of pom poms per student if it is done as hands on.	bag of pom poms per student if it is done as hands on.
4.2	Modeling How Landforms Erode Quickly	15	Students investigate the chalk model and sand model. They compare the models and note how the sand eroded more quickly.	watch video	Students would need spray bottles, kinetic sand, chunk of chalk and safety goggles to do this at home. It would be difficult for a teacher to monitor all students remotely.				

Hands-On Investigation Video Playlist

Unit: Changing Landforms

Grade 2