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Content area: Earth's Changing Surface, grade 2  
STeLLA Strategy: Engage students in analyzing and interpreting data and observations  
Context: The teacher and students are using the relief map to think about patterns they see in landforms.

0:00:03 T So we use this map here, this relief map, and we could see all the different landforms here. Now, scientists study patterns.

0:00:13 T How many people have studied patterns in math? Remember patterns in math?

0:00:17 SN/T No. / Like, square, circle, square, circle.

0:00:20 S/T Yes. / That's a pattern in math.

0:00:22 T In science they do the same thing. Here we're gonna talk about the patterns of landforms.

0:00:27 T On this part, this is the western part of the United States. What pattern do you see here? What lan- of landforms?

0:00:34 T What pattern of landforms do you see here? What do you see?

0:00:37 SN Bumpy.

0:00:38 T Okay, it's bumpy, so what does that tell us it is? What types of landforms?

0:00:43 SN Mountains.

0:00:44 T Mountains, what else? So some of it's really high elevation, goes up high, and other is the low elevation.

0:00:51 T So between the mountains, what are- could some of those things be?

0:00:54 SN Hills?

0:00:55 T Hills, there might be some hills. You're right.

0:00:57 SN/SN People. / Canyons.

0:00:58 T Canyons, yeah. Anything else?

0:01:03 SN There might be airports. Airports.

0:01:06 T Airports, there, yeah, but landforms. We're gonna talk about landforms.

0:01:10 T A what?

0:01:11 SN Plains.

0:01:12 T A plains. Well, look at this. Does this look like there's a lot of plains?

0:01:14 S Oh, I thought you meant like in real life, not in that.

0:01:17 SN Here.

0:01:18 T Well, this is real life. What, what's this right here?

0:01:20 SS Plain.

0:01:21 T Okay, let's look at the mid part of the United States. This is called the Midwest a lot of times.

0:01:26	T	What do we notice about the patterns that we see here? What are some landform patters we see here? What do we see?
0:01:32	SN	Plains.
0:01:33	T	We see plains. Why do you say plains?
0:01:35	S	Because it's flat and-.
0:01:37	T/S	Mm-hm. / smooth.
0:01:38	T	Flat and smooth. What else do you see a lot of, in that area? What do you see?
0:01:44	SN	Hills.
0:01:45	T	Hills. Yeah, definitely. What about all this blue? I see a lot of blue.
0:01:48	SN	Rivers.
0:01:49	SS	Rivers.
0:01:50	T	What are those, Nikita?
0:01:51	SN	Water.
0:01:52	T	Water, and what kind of landform would that be? All the lines?
0:01:57	SN	Mmm.
0:01:58	T	Hmm. Does somebody want to-.
0:02:00	SN/T	Rivers? / A river, definitely.
0:02:02	T	And then we move over here to the East Coast. This is what they call the east part of the United States,
0:02:08	T	What patterns do we see here? What do we see?
0:02:13	T	Kailey, do you have- what do you see right here?
0:02:16	SN	Mountains and hills.
0:02:17	T	Mountains and hills. What else do we see? Do we see some more patterns? What do we see?
0:02:22	SN	Plains-
0:02:23	T/S	Some- / and rivers.
0:02:24	T	Plains and rivers, definitely. And then on the outside of our-
0:02:28	SN	We see a ocean.
0:02:29	T	What do we see on the outside of the United States?
0:02:31	SS	Ocean.
0:02:32	T	What do we see?
0:02:32	SN	Um, the ocean.
0:02:34	T	The ocean. So we see some patterns. So scientists look at this to try and figure out what landforms are where-.