

## Transcript for Video Clip 8.1

Teacher/video ID:	Poulsen, 8.1_mspcp_gr.2_ecs_poulsen_L3_c4
Content area:	Earth's changing surface
STeLLA strategy:	Make explicit links between science ideas and activities (SCSL strategy F). Link science ideas to other science ideas (SCSL strategy G). Highlight key science ideas and focus question throughout (SCSL strategy H).
Context:	In this clip, the teacher sets up the main activity of a lesson on Earth's changing surface by engaging students in describing different types of landforms. Students share their ideas about how landforms might change and what might cause the changes.

### Video Clip 1

Time Code	Speaker	Discussion
0:00:03	T	OK, so we're going to have two examples. We've got mountains and hills, and we've got rivers and deltas. OK?
0:00:09	SN	You forgot plains.
0:00:10	SN/T	Plains. / What do you know—
0:00:11	T	Nope. We're only gonna talk about mountains and hills and rivers and deltas today. OK?
0:00:16	SN/T	Not plains? / I'm glad you're remembering plains.
0:00:17	T	Not plains today. OK. What do we know about mountains?
0:00:21	T	Who can tell me something they know about mountains? What do we know?
0:00:24	SN	Uh ... they have cactus? Some.
0:00:27	T	Some mountains might have cactus,
0:00:28	T/SN	but let's just describe the— / Like in Arizona.
0:00:29	T	Yeah, like in Arizona.
0:00:31	T	The ... let's just describe the mountain. Like what do we see? What do we see?
0:00:35	SN	They have snow.
0:00:36	T	Nikita?
0:00:37	SN	'Cause they big.
0:00:38	T	They're big. What was that word again?
0:00:40	SS	Enormous.
0:00:41	T	Not enormous. Ele ...
0:00:43	SS/T	Elevation. / ... vation.
0:00:44	T	That tells us how tall it is ... how tall something is. OK.
0:00:49	T	So is it a mountain or a hill? Is it flat, or no elevation?
0:00:54	SS	Elevation.
0:00:55	T	We have some elevation. We have some. OK.

0:00:59	T	What do we know about rivers? What do we know about rivers?
0:01:02	SN	They have lots of water in them.
0:01:03	T	They have water. What else?
0:01:05	SN	They always keep going.
0:01:06	T/SN	They— / Keep moving.
0:01:07	S/T	Water ... / They're moving.
0:01:08	S/T	Keep going ... moving. / Moving where?
0:01:09	S	Moving to the ocean.
0:01:10	T	Moving towards the ocean. OK. What else [inaudible]?
0:01:13	SN	Waterfalls?
0:01:14	T	Sometimes there are waterfalls in rivers. You are right. What do we know about a delta?
0:01:18	T	Who remembers a delta?
0:01:21	T	Hmm. What do you remember about a delta?
0:01:23	SN	It's like a hill, but except it has a river going down to the ocean.
0:01:27	T	OK. It's not a hill ... but you've got the river, and it goes to the ...
0:01:32	SS/T	Ocean. / ocean.
0:01:33	T	Good. So a delta ... Does it have elevation, or is it flat?
0:01:39	SS	Elevation.
0:01:40	T/SN	How many people think a delta is flat? / Flat.
0:01:41	S	Flat.
0:01:44	T	How many people think a delta has elevation?
0:01:47	T	OK. Remember, a delta was here ... down here in Louisiana.
0:01:52	T	And let's look at this map. So we've got a delta down here in New Orleans.
0:01:56	T	Do we have elevation or a flat?
0:01:58	SS	Flat.
0:01:59	T	Flat. OK.
0:02:03	T	So now what we're going to do ...
0:02:07	T	Let's predict. We did some predictions [about] how a mountain or a hill might change.
0:02:12	T	So we've got weather, we've got people, and we notice that there's some difference on some maps.
0:02:17	T	How might a river or delta change? Let's th ... let's take some think time.
0:02:24	T	OK. So thinking about a river ...
0:02:29	T	What might make a river or delta change? Hmm.

0:02:34	SN	Do you want that?
0:02:36	T	Raise your hand if you have an idea.
0:02:44	T	What do you think?
0:02:46	SN	That there's rain in the delta, and it gets way bigger.
0:02:49	T	OK. And what's that called when it gets bigger?
0:02:52	S	Elevation.
0:02:53	T	And that rains a lot, and something ... There's a lot more water. What's that called?
0:02:55	S	Hurricane.
0:02:56	SN	No, not hurricane.
0:02:57	T	Shh.
0:02:59	T	We had one a couple of years ago. I think it was actually last fall. Last fall, [a] lot of rain came. What happened?
0:03:08	SN/T	Flood. / What happened?
0:03:09	SN	Flood.
0:03:10	T	Oh, a flood.
0:03:11	SN/T	I knew that. / Ooh.
0:03:12	T	A flood might cause a river to change. Mmm, interesting.
0:03:17	T	Who has another idea?
0:03:19	T	What might cause a river or delta to change?
0:03:22	SN	[Inaudible]
0:03:33	T	Good thinking skills. Let's think.
0:03:36	SN	It might dry up?
0:03:37	T	Ooh, it might dry up. That might cause it to change. Ooh.
0:03:43	T	So we've got a flood with a lot of water ... [a] lot of rain.
0:03:46	T	And here if it dries up, there's no rain. Hmm.
0:03:50	SN/T	No water. / We've got some interesting ideas.