

## Transcript for Video Clip 8.2

Teacher/video ID:	Poulsen, 8.2_mspep_gr.2_ecs_poulsen_L3_c3
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 lesson on Earth's changing surface, two groups of students are reading short stories about mountains and landslides (Group 1) and rivers and deltas (Group 2). As students read the information, they look for evidence of landform changes. The group featured in this clip is reading about rivers and deltas.

### Video Clip 2

Time Code	Speaker	Discussion
0:00:03	T	OK. How are you all doing here? Have you decided if [the landform] could change or not?
0:00:07	SN	Yes, we have.
0:00:08	T	How ... how do you know it changes?
0:00:10	SN	'Cause there's a lot of different things, like deltas
0:00:14	S	The more river, the more stuff comes.
0:00:19	SN	[Inaudible]
0:00:21	T	OK. So we're on this page right here. OK.
0:00:24	T	OK. So who can read that for me? Who hasn't had a chance to read?
0:00:28	T	OK. You wanna read for me?
0:00:29	SN	"This is the delta of the Mississippi River. This is where the soil and rock drop into the land."
0:00:37	S	"After a long journey in the river, the soil [and] rocks pile up ... and from the river delta."
0:00:44	T	OK. Is that " <i>from</i> the ri ... the river delta"? Look at that word again.
0:00:47	S/T	Form. / Form! OK. So it makes a river delta. So what's making a river delta?
0:00:52	SN	The rocks and soil.
0:00:54	T	And how are the rocks and soil getting there?
0:00:57	S	By the Mississippi River.
0:01:00	T	Is it just the Mississippi River? Could it be a different river?
0:01:03	S/T	Yes. / Yeah, in this case. Yeah, it could be a—
0:01:06	T	So let's turn the page now. Turn the page. So we know rocks and soil can be carried by a river.
0:01:11	T	And then they drop it at the delt ... and make a delta. Look at the map there. Let's look at these two maps. OK?

0:01:20	T	Nikita, turn the page. Turn the page.
0:01:27	T	OK. We're on this page right here. This page right here.
0:01:30	T	OK. Look at the maps. OK. Do you know what these numbers on the bottom mean?
0:01:36	SN/SN	How long it is. / That is the time.
0:01:37	T	Oh, time. OK. What do you think?
0:01:39	SN	How long it is.
0:01:40	T	How long it is. OK. So if you see the word—
0:01:42	SN	How fast it goes.
0:01:43	T	How fast it goes. That's some good predictions. OK. Now it is time. It has to do with time.
0:01:49	T	And if you see "AD" after something, that means it's the year. So this is the year 0, and what year is this?
0:01:58	SS/T	2000. / 2000.
0:02:00	T	OK. So this was in the year 0, [and] this is in the year 2000. Are these two—
0:02:06	T	This is a picture of the Mississippi River Delta. Both of them. Are these the same?
0:02:10	SS	No.
0:02:11	T	What do you notice?
0:02:13	SN/SN	One of them's smaller, [and] one of them is bigger. / The 2000 AD changed over time.
0:02:18	T	OK. Changed over time. And what did you just say?
0:02:22	SN	One of them's smaller; one of them is bigger.
0:02:24	T	What do you mean—"smaller and bigger"—by that?
0:02:27	S/T	This part— / So do you remember what this is called? It's the ... What's the name for it?
0:02:30	SN	Delta.
0:02:32	SS	Delta.
0:02:33	T	OK. Delta. How— OK. So this one's what?
0:02:38	SN	Delta.
0:02:39	T	Uh-huh ... is what?
0:02:40	S	Um ...
0:02:41	T	This is smaller?
0:02:41	SN/SN	This one's smaller / [Inaudible]
0:02:44	T	And this one is ...
0:02:45	SS	Bigger.
0:02:46	T	How do you think they change? How do they think it changed?
0:02:48	SN	'Cause over a year time, maybe people threw stuff, like dirt, and then it got way bigger.

0:02:56	T	Well, how does a delta form? Do you remember how a delta forms?
0:02:58	SN	Ooh.
0:02:59	SN/T	Yes. / How does a delta form?
0:03:00	SN	Um ... it forms by ...
0:03:09	S/T	Dirt. / In ... in a what?
0:03:11	S	In a delta.
0:03:12	T	No, not in a delta. What's the—
0:03:13	S	River.
0:03:14	T	In a river. OK. So your question is here. Do you think a river can change the land?
0:03:20	SS	Yes.
0:03:22	T	Well, what's your evidence?
0:03:23	SN	Well ...
0:03:24	T	Ah ...
0:03:26	T	You— OK. So you need to make your claim, but you need to tell me why you think it changes the land.
0:03:31	T	Look at your maps, OK? I'll come back and check with you.