Transcript for Video Clip 5.3

Teacher/video ID:	Jeff Evans, 5.3_stella_SEC_evans_L6_c3
Content area:	The Sun′s effect on climate
STeLLA strategy:	Identify one main learning goal (SCSL strategy A).
Context:	In this lesson on the Sun's effect on climate, students are exploring the impact of elevation and proximity to water on the average temperature of cities at the same latitude.

Video Clip 3

Time Code	Speaker	Discussion
0:00:02.0	T	Have we answered the lesson focus question today?
0:00:06.3	SS	Yes.
0:00:06.9	SN	Yes, we have. When we were talking about this … how does living on the ocean or at a higher elevation affect air temperature?
0:00:13.4	S	We were talking about how …
0:00:14.6	SN	When we were doing the …
0:00:15.7	T	Oh, just a second. Alexander.
0:00:17.2	SN	We were talking about how when we were doing the science experiment, how the water retains the heat; therefore keeping it hot … keeping it warm throughout the entire year.
0:00:28.1	S	And the so … the soil actually fluctuates very greatly. It′ll be high, and then in the winter it′ll go away.
0:00:37.2	T	And the impact on surrounding climate and … and weather, yes?
0:00:40.8	S	Yes, like water and mountains and …
0:00:43.6	T	And just …
0:00:43.9	S	flat land.
0:00:44.5	T	Flat land.
0:00:45.2	S	Like …
0:00:45.8	T	St. …
0:00:46.2	S	St. Louis …
0:00:46.3	T	St. Louis, Missouri.
0:00:47.0	S	the flattest of the flat.
0:00:48.1	T	There it is. OK.
0:00:50.4	SN	[Inaudible]
0:00:52.9	T	Questions on what we have done today? Anything that is unclear, don′t quite understand, does not make sense?
0:01:09.1	T	These two days we've looked at the Sun's effect on climate, specifically proximity to large bodies of water …
0:01:25.2	T	soil, elevation …

0:01:32.0	T	to try to determine the effect those factors have on the three cities we've talked about—San Francisco, Colorado Springs, and St. Louis, Missouri.
0:01:41.9	T	And yesterday, you graphed their average temperatures over the course of a year.
0:01:48.5	T	And I think we found a correlation between those average temperatures and the soil and water heat absorption and release rates. Is that … is that an accurate summary?
0:02:01.9	SS	Yes.