# Transcript for Video Clip 6.6

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| Teacher/video ID: | Jeff Evans, 6.6_stella_SEC_evans_L5_c4 |
| Content area: | The Sun′s effect on climate |
| STeLLA strategy: | Set the purpose with a focus question or goal statement (SCSL strategy B). Engage students in making connections by synthesizing and summarizing key science ideas (STL strategy 7). Select activities that are matched to the learning goal (SCSL strategy C). |
| Context: | In this lesson on the Sun's effect on climate, students observe that not all locations at a given latitude have the same average temperature, which indicates that factors other than the angle of sunlight and Earth's orbit and tilt may impact the climate of a region. In this clip, students examine temperature data for three US cities. |

**Video Clip 6**

| Time | Speaker | Discussion |
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| 0:00:01.6 | T | You know, we may not do this, but with this data, for each city, we could find the average ... |
| 0:00:09.9 | SN | Temperature? |
| 0:00:10.4 | T | average temperature overall, yes? |
| 0:00:13.3 | SS | Yes. |
| 0:00:14.1 | T | We ... we could. We could also find the mode, couldn′t we? |
| 0:00:18.6 | SS | Yes. |
| 0:00:19.4 | T | And we could easily find the min-max, yes? |
| 0:00:21.7 | SN | Easily. |
| 0:00:22.7 | SS | Yes. |
| 0:00:23.2 | T | Easily. So we could find [the] min-max, we could find the mode, and we could find the average of the averages. So we could say for Colorado Springs, Colorado, according to this data table— |
| 0:00:33.6 | SN | I would say low 60s. |
| 0:00:34.4 | T | How would we find that? How would we find that average? |
| 0:00:36.4 | SN | We would ... |
| 0:00:37.2 | SN | Add all the temperatures up and divide it by how many temperatures there are. |
| 0:00:42.0 | T | Nice job, Sarah. |
| 0:00:42.1 | SN | Which is 12. |
| 0:00:43.1 | T | All right. So that would be a simple piece of math, yes? |
| 0:00:46.1 | SN | Yes. |
| 0:00:46.3 | T | And we could do that. So we could say ... In fact, I think that would ... that would be a good idea when we get everything graphed. |
| 0:00:53.6 | T | And we could say for those three cities—St. Louis, Missouri; Colorado Springs, Colorado; and San Francisco, California—we could say according to this data, |
| 0:01:02.9 | T | the average temperature for the entire 12-month period is X degrees, and there′s our variable X, yes? |

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| 0:01:09.8 | SN | Yes. |
| 0:01:10.5 | T | And then we could compare average ... the average of the averages. And we'd have one value per city. |
| 0:01:17.0 | T | So we could say St. Louis, Colorado Springs, San Francisco and look at them. Simply from this data table. |