

## Transcript for Video Clip 8.1

Teacher/video ID:	K. Griffin, 8.1_mspcp_gr.1.tav_griffin_L7_c1
Content area:	Variations in plants and animals
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 video clip, the teacher sets up an activity in which students investigate whether their ideas about traits, variations, the environment, and survival apply to animals as well as plants.

### Video Clip 1

Time Code	Speaker	Discussion
0:00:02	T	So we learned that variations in the size of a cottonwood-tree seed matter for its survival, and we learned that the environment matters too. OK.
0:00:11	T	So today we will further investigate whether or n— or whether our ideas about traits, variations, environment, and survival apply to animals as well as plants.
0:00:23	T	So our focus today is <i>How do variations in the color of a mouse's fur and its environment help some mice survive long enough to have babies?</i> OK.
0:00:35	T	So what is the trait that we're looking at? Remember, it's tricky. Traits and variations—they kind of get confused. Rowan, sit up, dude.
0:00:45	T	OK. What is the trait? Let's see. Amelia.
0:00:51	SN	The ... the trait is that they're ... that they ... they're all in [the] same place.
0:01:00	T	OK. Explain. What do you mean by that?
0:01:03	S	Like, they're somewhere on the ground.
0:01:07	T	OK. So is that its trait or is that our word that we learned called <i>environment</i> ?
0:01:14	SS	Environment?
0:01:15	T	OK. So nice try. Who has an idea of what the trait that we're looking at is? It's not up there. This is tricky.
0:01:22	T	Rachel, get inside the blue box, please. Nathan.
0:01:25	SN	Oh, I [inaudible].
0:01:29	T	Sit down, sweetheart, OK? [Inaudible], what do you think?
0:01:31	SN	Size.
0:01:32	T	OK. So what the trait is—I'm just gonna tell you—is its fur. Because do all mice have fur?
0:01:37	SS/T	Yes. / Yes. So that's their similarity. That's their trait, OK? Then the variation. Who can tell me what the variation is?
0:01:43	T	It's right up there. Makayla, sit up, honey. I know it's hot in here. Sean.
0:01:47	SN	Color.

0:01:48	T	Color. Awesome. All right. So we have some ... some words that we had talked about before, in this question, OK? We have words like <i>variation</i> and <i>environment</i> .
0:02:03	T	We also have that word <i>survive</i> . OK? So our focus question is <i>How do variations in the color of a mouse's fur and its environment help some mice survive long enough to have babies?</i>
0:02:17	T	So first of all, what we need to do is we need to think about what we know about mice.