

Transcript for Video Clip 2.3

Teacher/video ID:	Wilde, 2.3_mspcp_gr.3.variations.traits_wilde_L6_c1
Content area:	Variation in traits
STeLLA strategy:	Ask questions to probe student ideas and predictions (STL strategy 2). Ask questions to challenge student thinking (STL strategy 3).
Context:	In this lesson on variation in traits, the focus questions is <i>Do the babies of living things have the same traits as their parents? How do you know?</i> Students share their initial ideas about the potential offspring of the beetles that have survived in a grassy environment.

Video Clip 3

Time Code	Speaker	Discussion
00:00:00	T	All righty. So we're gonna come back to our chart over here. And I'm seeing, in our green environment, we had four green beetles left.
00:00:09	T	And if you're not done writing the question, you can go ahead and keep writing.
00:00:14	T	Let's say we have a mom beetle and a dad beetle and both of them are green. What colors do you think their babies would be? Wayland.
00:00:30	SN	Green.
00:00:31	T	You think green. How come?
00:00:33	S	Because the babies will get their mom and dad's genes. So, like, if the dad, he gave his gene, and then the mom gives her gene ...
00:00:43	T	Mm-hm.
00:00:44	S	that would, of their color, it would be green because that's the only colors they both have.
00:00:48	T	OK.
00:00:49	S	So [they're green?]
00:00:50	T	All right. So Wayland is thinking if it's just a ... two green beetles, babies are automatically gonna be green.
00:00:56	T	Then let's look at the totals that were left over. We have four purple, three dark purple, three blue, four green, and one black.
00:01:09	T	When all those beetles had babies, what do you think the next generation will look like? So, with the baby beetles, what do we think that'll look like? Which one would have the most?
00:01:25	T	So again, we've got light purple has four, dark purple has three, blue has three, green had four, and black has one. Which color will have the most babies, do you think?

00:01:44	T	James, what do you think?
00:01:46	SN	I think, basically, it's either gonna be green or light purple.
00:01:50	T	Green or light purple. Why do you think green or light purple?
00:01:53	S	Because they have the most.
00:01:54	T	Oh. OK. Lindsay, what do you think?
00:01:59	SN	I think there's gonna be ...
00:02:12	S	I'm sorry, I can't see [inaudible].
00:02:14	T	OK. Should we come back to you? OK. Grant, what do you think?
00:02:19	SN	I think it's gonna be dark purple because they're an odd number.
00:02:26	T	OK.
00:02:27	S	And usually, I think, odd number ... numbers are more than even numbers.
00:02:36	T	OK. So you think because three is odd, it's gonna be more than four? [Inaudible]. OK. Lindsay?
00:02:48	SN	I think green will have the most babies because green has the most [inaudible].
00:02:55	T	Because what? I'm sorry, darlin'; the projector's kind of loud.
00:02:57	S	Because dark purple ... I think green's gonna be ... have the most because it ends in four. Four's the biggest [total] number [of surviving beetles].
00:03:06	T	OK. All right. I've ... Yes, TJ.
00:03:11	SN	I think blue's the one.
00:03:13	T	So we're on that bottom chart, in the green environment that we're looking at. Which one do you think is gonna have the most from there?
00:03:20	S	I think the purple one.
00:03:22	T	Which purple—dark or light purple?
00:03:24	S	The [light one].
00:03:25	T	Why?
00:03:26	S	Because there's more than the ... dark one.
00:03:29	T	'Cause there's more than the rest of the other beetles? OK. I would like everybody to turn and talk to a neighbor. And let them know what you think is going to have the most of which color.
00:03:45	SN/E	I think it's gonna be [inaudible]. / [Inaudible]
00:03:47	T	And then tell them why.