

Transcript for Video Clip 8.2

Teacher/video ID:	Tricia Torres, 8.2_stella_FW_torres_L5_c2
Content area:	Food webs
STeLLA strategy:	Make explicit links between science ideas and activities—during the activity (SCSL strategy F).
Context:	After making predictions about what will happen to the mass of a jar of fresh strawberries if they are left alone for a long time, students in this video clip observe moldy strawberries, interpret their observations and data (strategy 4), and discuss what happened to the mass of the strawberries. Between clips 2a and 2b, students work in small groups to discuss and write down their observations and interpretations.

Video Clip 2a

Time Code	Speaker	Discussion
0:00:01.7	T	What do you notice is happening [to the strawberries]?
0:00:03.4	SN	Now they're moldy and less mass too.
0:00:06.3	T	Do you think it [the jar of strawberries] has less mass?
0:00:07.7	S	'Cause the juice went down and it's squishier.
0:00:11.3	T	OK. What else do you notice in the jars?
0:00:13.8	S	It's bacteria.
0:00:14.8	SN	That they have decomposers and, like, bacteria.
0:00:18.0	T	OK.
0:00:18.6	SN	They have yellow stuff.
0:00:21.5	T	What do you think that yellow stuff is?
0:00:23.1	E	[Inaudible]
0:00:26.0	T	What is all this? What is all that?
0:00:28.1	SN	Water?
0:00:28.6	T	You think it's water?
0:00:29.9	S	Because this dried up.
0:00:31.4	T	OK, those look dried up. Where do you think that water came from?
0:00:36.1	S	From the strawberries.
0:00:36.9	T	From the strawberries.
0:00:38.0	S	From the inside of the strawberries.
0:00:39.2	SN	Now I don't know what to do.
0:00:40.5	T	Write down your observations.
<i>Between clips 2a and 2b, students discuss and write down their ideas in small groups.</i>		

Video Clip 2b

Time Code	Speaker	Discussion
0:00:47.1	T	What do you think happened to the mass of the jar?
0:00:49.8	SN	It went down.
0:00:50.4	SN	It's less.
0:00:51.3	SN	[Inaudible]
0:00:52.7	T	You think it went down?
0:00:53.6	SN	Huh? Yeah.
0:00:54.6	T	And what do you think? What do you think? Did the mass of the jar go down, stay the same, or go up?
0:01:01.4	SS	[Inaudible]
0:01:04.6	T	Excuse me. We're listening to Angelina now.
0:01:08.5	SN	It probably went up because of that [decomposition].
0:01:10.4	T	Excuse me.
0:01:14.2	S	It was liquid in it, and the mold is growing onto the berry. So—
0:01:18.6	T	OK. So you think it added something to it? OK, she's thinking that maybe it added something. OK, what do you think?
0:01:27.3	SN	I thought at first that it'd go down because [the strawberry is] decomposing and it's rotting. But then I thought, where would the matter go if it was going down? So then I changed it to the same.
0:01:40.9	T	You think it stays the same now? OK. Is it OK to change your mind?
0:01:45.0	SN	Yes.
0:01:45.5	T	As scientists, you think they do that a lot?
0:01:47.6	SN	Yeah.
0:01:48.6	T	OK.
0:01:49.3	SN	I think it would, 'cause it's going to go less 'cause the juice is draining out [of the strawberry], and it's getting skinnier 'cause there's not as much health in it.
0:01:58.4	T	OK.
0:01:58.8	S	It'll get skinny.
0:01:59.0	T	So we have three different opinions. We have somebody who thinks that ... that ... more mass. We have somebody who thinks it stayed the same, and we have somebody who thinks it went down.
0:02:12.8	T	Well, they were actually weighed. This jar of [strawberries] was weighed at the beginning, and it was weighed again at the end. And the mass stayed the same.
0:02:21.0	SN	Ooh.
0:02:21.4	SN	Yay!
0:02:22.5	T	So there was no weight loss. No weight gain. It stayed the same.
0:02:28.2	SN	That's weird.
0:02:28.7	T	So how do you explain that the mass of the strawberries stayed the same? How do you explain that?

0:02:36.8	SN	[Inaudible]
0:02:39.3	SN	'Cause of all the mold. [Inaudible] and then put it back in.
0:02:45.7	T	Put it back in where?
0:02:46.7	S	The strawberry.
0:02:48.3	T	OK. Is everything inside the strawberry?
0:02:51.3	SS	No.
0:02:52.1	SN	[Inaudible]
0:02:52.6	SN	'Cause the juice—
0:02:53.3	SN	The juice—
0:02:54.2	SN	Even though the mold went on it, it didn't add any weight. But it didn't change the mass even though it was taking most of it and rotting it. It still stays the same 'cause the juice went out.
0:03:09.5	S	And it has the same matter still.
0:03:12.6	T	OK. The matter ... What ...