

Transcript for Video Clip 4.2

Teacher/video ID:	Derose, 4.2_mspcp_gr1_sound_derose_L2_c1
Content area:	Sound
STeLLA strategy:	Variety of Student Thinking Lens strategies
Context:	In this lesson, students produce sounds with a variety of soundmakers (e.g., clucker, voices, tuning fork) and then use their senses to find evidence that objects vibrate to make sounds.

Video Clip 2

Video Clip	Speaker	Discussion
00:00:00	T	First I need to show you how to use the soundmaker. You are going to have one soundmaker at each table. And you're going to take turns with it.
00:00:09	T	I will use the chime to signal to pass. All right?
00:00:14	T	The sponges are just a tiny bit wet. I did that on purpose, so don't let that bother you. They're not really wet or anything; they're just damp. OK?
00:00:23	T	So when you have a soundmaker, you're—this clucker—you're going to hold the cup. You take the sponge, and you put it on the string so that it goes around the string.
00:00:34	T	My fingers aren't actually touching the string. They're touching the sponge. OK?
00:00:40	T	I'm not going to squeeze the cup. Weston, what's going to happen if I squeeze the cup?
00:00:45	SN	It'll break.
00:00:46	T	It'll break. So we're not going to squeeze it; we're going to hold it gently. We're going to hold the sponge, and we just slide it down.
00:00:54	SN	Whoa!
00:00:55	T	OK? So you get to do it a couple times. Remember, I'm asking you to look, listen, and feel for evidence of vibration.
00:01:10	SN	OK.
00:01:11	T	OK? Are we going to fight over the soundmakers? The cluckers.
00:01:15	SS	No.
00:01:16	T	Everyone will get a turn.
00:01:18	SN	No.
00:01:19	T	When I ring the chime, you pass it to the person next to you.
00:01:25	T	Sound fair?
00:01:27	T	You're watching the rice.
00:01:31	T	You need to be on your bottom, sir.
00:01:38	E	[Inaudible]
00:01:42	SN	Explosion!
00:01:43	T	Now, listen. You are watching right now for evidence of vibration.

00:01:54	SN	Si.
00:01:59	E	[Inaudible]
00:02:01	T	OK. Does that agree with your evidence? Does it support your evidence that there was vibration? OK.
00:02:12	T	And then I want to show you one more thing. But I need you to be patient, 'cause I have to grab some ...
00:02:18	E	[Inaudible]
00:02:24	T	Sorry.
00:02:27	T	All right.
00:02:32	T	Uh-oh, I lost you. Uh-oh.
00:02:37	T	I have water in this cup.
00:02:40	SN/T	Oh no— / I need you sitting.
00:02:42	SS	Oh no.
00:02:49	T	Oh, I'll wait. I'm waiting. I'm waiting. Shh.
00:02:56	T	OK. I am going to do what you did with the tuning fork, and I'm going to dip it in the water.
00:03:05	T	Now I'm going to do that a couple times, so if you're— Nope. Don't move. Stay where you are, front row, and then you're going to move, OK?
00:03:21	T	One more time.
00:03:26	T	OK? You guys need to move.
00:03:29	SN/T	Oh my God. / Annie, Lily, Alex, Grant, move. Sage and Gary.
00:03:35	SN/T	Oh my God. / Next group, come up. I know, right?
00:03:38	SN	That's amazing.
00:03:39	T	OK. Here we go. And friends in the back, come closer and on your knees.
00:03:45	T	OK, watch the water. So this is ... I haven't done anything, and I'm putting it in. OK?
00:03:51	T	It's pretty still, right? OK, now watch.
00:03:58	SN	I can't see.
00:04:02	T	One more time.
00:04:03	SS	Oh.
00:04:04	SN	I knew it vibrated.
00:04:08	SN	Awesome!
00:04:09	T	Pretty neat, OK? So do you have your evidence? And you have made your judgments. Who wants to share some of their evidence of how you saw or felt vibration? Lily.
00:04:25	SN	By—
00:04:26	T	"My evidence ..."
00:04:27	S	My evidence ...
00:04:28	T	"Of vibration."
00:04:29	S	was that I ...

00:04:30	T	Shh! Sit.
00:04:31	S	for the tuning fork, I could ... could not see it. I could feel it, and I could hear it vibrating. And I heard music because it kind of sounded like a piano ... like an organ ...
00:04:51	S	using the pedal and playing music, and it was coming out of its thing.
00:04:58	T/S	OK. / It really sounded cool.
00:05:00	T	OK. Anyone else want to share their evidence of vibration? Bailey.
00:05:06	SN	Um ...
00:05:07	T	“My evidence ...”
00:05:08	S	My evidence is that ... um ... I felt it kind of vibrate, and it kind of didn’t.
00:05:20	T	OK. Can you tell me what you did feel?
00:05:23	S	Um, I kind of felt a bouncing a little bit.
00:05:27	T	You felt a bouncing. Does that fit with our definition of <i>vibrate</i> , a quick movement?
00:05:31	SN	Mm-hm.
00:05:32	SN/T	Yes. / Oh, I like that. Anybody else want to share their evidence of vibration?
00:05:38	T	Gary, what is your evidence of vibration? “My evidence ...”
00:05:41	SN	My evidence of vibration is the water thing because I saw ... I saw that tapping your shoe. I saw it bouncing a little bit higher and a little bit lower.
00:05:57	T	OK. So Gary said his evidence of vibration was the water bounced or moved quickly from side to side, up and down. Very good! Thank you so much.