

Transcript for Video Clip 2.1

Teacher/video ID:	Derose, 2.1_mspcp_gr1_sound_derose_pre.hayden_c1
Content area:	Sound
STeLLA strategy:	Ask questions to elicit student ideas and predictions (STL strategy 1). Ask questions to probe student ideas and predictions (STL strategy 2).
Context:	In this preinterview, Hayden responds to a series of questions about what makes sound and how sound travels.

Video Clip 1

Time Code	Speaker	Discussion
00:00:00	T	OK, let's try it like this. Try going like this.
00:00:07	SN/T	Yeah. / OK. What do you see happening?
00:00:10	S	It's, like, going up and down.
00:00:15	T	Isn't that what you say you felt in here?
00:00:17	S	Yeah.
00:00:18	T	Do you think that there might be something about going up and down that has to do with sound?
00:00:25	S	Yeah.
00:00:27	T	Yeah? Tell me about that.
00:00:28	S	Like, when you, like, do this, it makes sound, but when you do this, it doesn't really make any sound.
00:00:41	T	Mm-hm.
00:00:42	S	But when it goes up and down, it makes sound.
00:00:45	T	OK, so let's think about that card. What were you doing with that card that made sound?
00:00:51	S	The, like, just ...
00:00:55	T	Did that have anything to do with what ... what's happening here?
00:01:00	S	Yeah, it, like ... I went, like, up and down.
00:01:04	T	Oh, OK. Do you think all sound has something to do with going up and down?
00:01:12	S	Maybe not.
00:01:14	T	OK. Can you tell me about that? What sound might not have something to do with going up and down?
00:01:21	S	This.
00:01:22	T	OK. Tell me about that.
00:01:24	S/T	Like— / You think that makes a sound?
00:01:26	S	You just pick it up, and then it makes a sound. 'Cause it's so, like, crunchy and stuff.

00:01:32	T	Uh-huh. Yeah, it's really crunchy.
00:01:33	S	Like, you just pick it up, and it makes a sound.
00:01:36	T	OK. So sometimes we can make a sound here, and sometimes we can make a sound here. How is it that we hear those sounds?
00:01:47	S	Mm. 'Cause these things, they're, like, making sounds like that.
00:01:58	T	Mm-hm.
00:02:00	S	And you can hear it because you're close by.
00:02:09	T	Oh. Why can't you hear it when you're farther away?
00:02:14	S	Because it doesn't ... you can't really hear it far away. You just can, like, kind of hear it, but not really.
00:02:24	T	OK. Do you have any idea why?
00:02:28	S	Mm-mm.
00:02:29	T	OK. So I want you to draw me a picture. And I just drew a bell, and that bell— Does it look like a bell to you?
00:02:37	S	Mm, yeah.
00:02:38	T	Sort of? OK. Well, we're going to imagine that that bell is making a sound. I'm going to take these away, 'cause we're just imagining now. Thank you.
00:02:48	T	And I want you to draw me a picture of how you think that bell makes a sound and how you might hear that sound.
00:02:59	S	Like ... like ... Can I draw a picture of how you might, like, hear it or something?
00:03:04	T	Mm-hm. You ... you mentioned that you can hear it better if you're closer, and you can't hear it very well if you're far away.
00:03:13	T	So I don't know if that somehow can work [that] into your picture or not. Tell me what you think is going on with the sound that you can hear it.
00:03:23	S	Hm? A sound that you can hear it? What do you really mean? Like ... like far away and close by?
00:03:34	T	Yeah, something like far away and close by. Why is it that I can hear your voice?
00:03:40	S	Because you're close by.
00:03:41	T	I'm close by. How do I hear your voice?
00:03:45	S	'Cause you're near.
00:03:46	T	OK. Do I hear you with my nose?
00:03:54	S/T	No. / No? Are you sure?
00:03:56	S	Yeah.
00:03:57	T	How do I hear you?
00:03:58	S	With your ears.
00:04:00	T	What happens ... what happens in my ears that let me hear? Do you know? Have any idea?

00:04:06	S	Like, eardrums.
00:04:08	T	Oh. Eardrums? What are they?
00:04:13	S	They're like things inside your ears that help you hear.
00:04:18	T	Do you know how they do that?
00:04:20	S	Mm-mm.
00:04:21	T	So let's— Why don't you draw a picture of you on there and then tell me how do you think that that picture ... how that sound gets from where it's being made to your ears?