

## Transcript for Video Clip 7.1

Teacher/video ID:	M. Bernstein, 7.1_mspcp_gr.1.tav_bernstein_L3_c3
Content area:	Variations in plants and animals
STeLLA strategy:	Select content representations and models matched to the learning goal and engage students in their use (SCSL strategy D).
Context:	In this clip, the teacher introduces the model students will use to simulate how far big and small cottonwood-tree seeds travel from the parent tree when the wind blows them.

### Video Clip 1

Time Code	Speaker	Discussion
0:00:03	T	Today we are going to talk about how the wind moves those cottonwood seeds, and we are going to have some small cottonwood seeds, and we're going to have some—
0:00:17	T	What do you think these are going to be?
0:00:18	SS	Big.
0:00:19	T	Big cottonwood seeds, right? So I have our seeds. I also have a piece of paper.
0:00:27	SN	Oh.
0:00:30	T	And I have a fan. So what do you think the fan is going to do for us? What's it going to do?
0:00:39	SS	Make the wind.
0:00:40	T	Make the wind, right? Because what would happen if we didn't have any wind blowing through the trees?
0:00:44	SN	It would just sit there.
0:00:46	T	It wouldn't work. The seeds would just stay ...
0:00:49	SN/T	Right there. / right there. OK. And then I have this piece of paper that I'm gonna sit out here in front of my tree, and what does this represent?
0:00:57	SN	The sky?
0:00:59	T	Well, it's here on the floor.
0:01:01	SN	So ... so it doesn't grow on the ground.
0:01:03	T	Oh. So this is gonna represent the what?
0:01:06	SS	Grass.
0:01:07	T	The grass or the ... the ground, maybe, that our seeds land on. OK. So I am going to give you either a big seed or a small seed.
0:01:22	T	Now we can't all do this at the same time. We're gonna have to take turns. So that means if it's not your table's turn, we have to be patient.
0:01:33	T	Everybody will get a chance to have a seed blow in the wind. So the way this works is we're gonna turn on our fan.
0:01:44	T	Gentlemen, please stop.
0:01:48	T	And we don't put our fingers in the fan, right?

0:01:51	SS/T	No. / No. We don't want to do that. That would not be very safe. You're going to take either your big cottonwood seed or your little cottonwood seed.
0:02:02	SN	[Inaudible]
0:02:03	T	OK. And you're going to hold it and let it fly. OK. Now we're going to do two people at a time. One person is gonna have the big one. One person's gonna have the small one.
0:02:15	T	Where it lands for the big one, you're going to pick up your cotton ball or your seed and put a blue dot.
0:02:23	SN	OK.
0:02:24	T	And then for the small one, you're going to pick up your cottonwood seed and put ...
0:02:27	SS	A red dot.
0:02:28	T	A red dot. And then we're going to see what the difference is between a small seed and a big seed. OK?
0:02:39	T	This is what ... another variation, right?
0:02:42	SS/T	Yes. / 'Cause we said that size is a variation. So I'm gonna come around,
0:02:50	T	and we're gonna do one table at a time.