

Geometry and Spatial Sense (Webcast #3) Transformation Lesson

Dr. Copley: Mrs. Copley's going to put something down and she's going to say "transform." I'm going to put it right here. And we are going to see if we can make your play dough look like this. Are you ready? All right. Ready? Transform. Ooh. That's a ball. I'm going to make a ball. So I'm going to roll it. I'm gonna roll it, I'm going to roll it all the way -- I want you to make a -- transform it into a ball. It's got to roll like this on your plate. Nathan, see how you have to roll like this? See if you can make yours that way. I'm going to roll mine. I've got to make mine really smooth. Really smooth and roll it around here.

Nathan, would you help me with mine? Would you help me with mine? And I'll help you with yours. Let's make it, let's make it a ball, and roll it. Can you make it real smooth? I've got to kinda smooth it, 'cause make it real smooth. Make it like a ball and then put it on your plate and roll it around. See, mine is a little lumpy. Roll it around. Can you put it on your plate and roll it around? Does yours roll, Nathan? Yeah. Oops. Mine came off too. I've got to make sure and not roll it too hard. 'Cause yours, you wanna, you wanna -- you've got a good one. You've got it rolling. Does yours roll? Make it as smooth as you can, as smooth... Whoops. There yours went, Josh. Your's rolls! Do you want to help with yours? Or you can help with mine? You can help with this one. Make it real smooth. I kinda just keep -- here is what I kind of do. I roll it on here. Can you roll it on there? Roll it there, Nathan. So, yours is rolling good, isn't it? Did you roll it good, if really roll it -- Okay. All right. Are you ready for another transformer?

Josh: Yes. Let me -- Nathan, I'm going to give you this. Let's see. Who's was this one? Was this yours, or was this yours? Yours was orange, wasn't it? And that's one's mine. Are you ready for the next transformer? Here we go. This next one's harder. Are you ready? One, two, three, transform.

Nathan: I'm making --

Dr. Copley: That's what you are kind of making, like a can. Ooh, I'm gonna have to roll it... Watch how I'm rolling it this time, like with my flat hand.

Nathan: It looks like a bone, like a...

Dr. Copley: It does. But look at, Nathan, look. I've got to make it flat on the bottom, like this. I've got to make it flat. I've got to make it flat on the bottom, don't I? Flat like this. Flat like this. Oh, man. Oh, you'd better make it flat. Would you help me with mine? Would you help me with mine? And let me help you with yours.

Child 3: I made mine flat.

Dr. Copley: Yeah, you've got to make it flat like this. That's good. Yours is really good. It's got lots of -- oh, Nathan, you're doing yours... Look how Nathan is doing his. That makes it like that. Then, Nathan, make it flat like this on the bottom. Can you do that? Make it like this on... Oh, that's good. See how this is flat on the bottom. This one's a fat one. Ah. Transforming. This is really -- oh, that's good. Very nice.

Oops, and then I better roll it again. Roll it again. How are you doing on yours? That's... you want to work on mine and I'll work on yours? You want to do that? Let's see if we can, 'cause this one, I'm going to make it -- oh yeah, making it flat. See how flat on the bottom and it rolls? This is what this one does.

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