

Line	Transcript
1	Isaac: Like, it matters like, it doesn't matter on the shape it just matters that- if it has wheels.
2	Sharon: What-? Can you tell me about the wheels cause you wrote that in your notebook yesterday. Cause this actually brings up an interesting point that's a little different than what everyone else has said today.
3	Isaac: A car goes faster because its wheels keep track of the floor.
4	Jose: Yeahh!
5	Sharon: Say that again.
6	Isaac: The car goes faster because its wheels keep track of the floor.
7	Sharon: Keep track of the what?
8	Isaac and Jourdan: Floor.
9	Sharon: And when you say track- keep track- you don't mean like, what do you mean by keep track?
10	Isaac: Like, if it didn't have wheels it would just have to rag that makes it slower.
11	Sharon: It would just have what that makes it slower?
12	Isaac: Like, the first one goes and it pushes the other one. Like, this one goes forward and this one on the other one, then this one would be turning around and pushing the other one around.
13	Sharon: Are those the wheels?
14	Isaac: No these are the wheels.
15	Sharon: Ok so are you talking about two different things or are you talking about one thing?
16	Isaac: One thing.
17	Sharon: You are?
18	Isaac: On the bike you have to pedal it so for one of these to turn the chain around and then move to the other one in the back.
19	Student: Could you say it again?
20	Sharon: Go ahead, try to say it again.
21	Isaac: The car goes faster because its wheels keep track of the floor, like-
22	Sharon: K wait, stop. Stop. What do you mean by 'keep track of the floor'?
23	Isaac: Like when this one turns, like this one will land right there and then it will move it like that.
24	Sharon: But there you're talking about a bike, right?
25	Isaac: Ya, because on the bike, you have to pedal, so you can turn this thing, and then you'll turn the chain and then it will turn this one and that makes the wheel turn around.
26	Sharon: The reason I'm confused- you have a very elegant diagram of a bike there and how it works, but you were also talking about car so I'm getting confused about which one is which.
27	Jourdan: I think the bike is the car.
28	Sharon: Isaac. At first you said the car goes faster but now you're talking about a bike. Can you help me understand what you mean?
29	Isaac: Ya because like the car- the car is different than these because the car keeps track of the flat floor with a circle.
30	Sharon: Okay, I want you to tell me about that first before you talk about the bike.
31	Isaac: Because, like- I need a car to explain it.
32	Sharon: Ok, come get one.
33	Isaac: Like, it's gonna like rag like, like that.
34	Sharon: Can you tell them?
35	Isaac: Because it's gonna rag on only the hand.
36	Sharon: It rags on the hand?
37	Jourdan: Ooooh. I get it.
38	Isaac: Not really it like...
39	Sharon: Turn and tell them.
40	Isaac: Because like this part will land right there, so it just goes like that and pushes the wheel and it's like going this way.
41	Sharon: What pushes the wheel?
42	Isaac: The floor. Because like the wheels, they'll turn, and then this part will land right here and push it.
43	Sharon: What part...what's pushing what?
44	Isaac: The car and the ca- and the wheels from the car is pushing it because like when you push the car, then like this part will land right there and then the wheel will push it into the next part to land.
45	Sharon: Ooooh, I see. Can you try to explain that to all of them?
46	Isaac: Because like the wheel, the wheel will go like that, and then the wheel will turn...
47	Ray: Can you speak a little louder, please?
48	Isaac: ...and then this part will hit it and push it and then the next part. Because like, the wheels work by pushing the car. If it didn't have wheels, it would just rag and stop.
49	Ray: How would the carpet push the wheels?
50	Isaac: No. Like you push it first, and then the wheels go like that and they hit the floor, and then it pushes it so the car could go. And then the next part hits it and pushes it.
51	Alexis: I got a question about the...
52	Jourdan: I have a question.
53	Sharon: That's beautiful! Alexis you have a question for Isaac.
54	Alexis: Like, when like when the car goes, like right here, um does the does like the carpet stay there or like it does something to the wheels?
55	Isaac: It just stays there, but the wheels like on the carpet, they like, this part will land right there and then it pushes it.
56	Alexis: Ohhh.
57	Jourdan: I get it. I have a question.
58	Sharon: Do you have a question?
59	Jourdan: Yes, because um you just push it or or when it goes down a ramp you push it or does it just, or do you just let it go?
60	Isaac: You just let it go and then it will go down it and the wheels will go.
61	Students: I agreee with Isaac...me too...
62	Isaac: Because, because like if if you take if if you separate the wheels from the car and you try the car first without the wheels, then it will scratch on the rubber and it will stop, and if you try the wheels, the wheels will keep on going.
63	Jourdan: But I, um, does it- you just push it on the carpet like that and it goes like and it goes like that and it doesn't stop until um the wheels try to stop?
64	Sharon: I was actually wondering that too. What makes it- does it go forever?
65	Isaac: No, not really because the wheels get tired and it stops. On a real car, it just presses a button so the car can get ene- keep on getting energy. And it keeps on going.
66	Scarlett: How could the wheels get tired?
67	Sharon: I had the exact same question. Thank you for asking that. (Isaac: And so on a bike you keep on pedaling) Will you listen to her question?
68	Scarlett: Like, how could the wheels get tired?
69	Isaac: Because they didn't push that hard to get enough energy and it doesn't have electricity like a remote car. So you just push it and then it starts stopping.
70	Jamir: I still don't get it if the wheels get tired because if you get tired its like you can't run no more and you stop for a little bit and then you keep on running.
71	Isaac: I know but on the remote control cars, like you push the button, and while you push the button, it keeps on getting energy from the batteries.
72	Jamir: I know but how come that...but how come-?
73	Isaac: Because this doesn't get electricity. It's just some strings that and they start going like that.
74	Jamir: I know, so you mean that the wheels get like get slower, the wheels get slower the more time it goes like each time it keeps on going- ?
75	Isaac: Ya. Because you see those strings that hold the wheels together? Those strings that go to the little holes made of rubber, and it can stand, it can kind of stand the rubber that's scratching the metal like that, so then that's why it gets slower and slower.
76	Sharon: Say that again.
77	Isaac: Because like, the little strings holding the wheels together so they wouldn't fall off, it's like a little hole made of rubber, or metal that scratches with the stick. And then-
78	Sharon: It scratches?
79	Isaac: Ya, it scratches, but it can stand it kind of. And that's why it keeps on stopping and stopping lower.
80	Sharon: The scratching makes it stop?
81	Isaac: Ya, and it doesn't even have electricity neither.
82	Ray: How does the scratching make it stop?
83	Sharon: K, I want you- hold on. I'm gonna let him say it again, but I've had to do intensive listening to understand Isaac.
84	Gustavo: What's intensive?
85	Sharon: Like, I'm really paying attention to every word he says because I know that he has something important to say and I want to understand it. Now I understand him.
86	Isaac: Because if my finger rags, it scratches and it gets slower and slower.
87	Jamir: I know but-
88	Sharon: Wait, instead of saying "I know, but," listen to what he's saying and think about it. He's actually explaining something clear enough so that we can all understand, but you have to be a really good listener to catch it.
89	Isaac: Because this part turns by electricity and it goes into that hole, and then the hole pushes it like that thing that's what pushes the other one that makes it turn.
90	Jamir: I know, but how- what makes it that, what does make this go around?
91	Isaac: Electricity.
92	Jamir: Electricity, ya. But this doesn't have no electricity so-
93	Isaac: I know that's why I told you it stops, even by the rubber.
94	Jamir: I know but I think they put like something inside here that it's slippery so that they can keep on going.
95	Isaac: Because like in the remote control cars, it has the same thing, that rubber that scratches it, but why it keeps on going is because the car it has remote control and you control it and it can stand the scratch.