

Springtide Sports: Keep Moving Forward

Grade 5 Science

Name:	Date:	
Activity 1: What goes up, must come down. Do the affects the objects, and the forces needed to move the		ow gravity
A. Roll a ball across the floor	B. Toss a ball into the air	
1. How do you need to apply force differently when	you roll the ball from when you throw	the ball?
		·····
A. Roll the ball up a hill	B. Roll a ball across the t	floor
Explain why you must use more force to roll the b	oall up the hill than along the flat grour	nd.
3. What force causes the ball to come back when yo	ou roll it up the hill?	
4. Explain why it is more difficult for a ball to roll in the	he grass than a polished floor?	







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Activity 2: Make predictions to answer the formass.	ollowing questions based on what you know about forces and	
How can these brothers make the ho	op roll slower? (list 2 ways)	
2. How can the sisters make the hoops	go higher?	
3. What forces can Ben use to slow the	bicycle down?	
4. Explain how a ball with more mass w		
force to the ball in order to get it to the		







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Activity 3: Explain how factors a following objects.	such as friction, gravity, and change in r	mass affect the movement of the
	vitational and frictional influences. Supp he ring will: (circle the best answer)	oose that you visit that place (just
	e same direction at constant speed.	
Why?		
shuttlecock with a greater force it an object travels. Who is right?	euz are arguing at the Toy Store. Brother will travel further. Brother Reuz argues t	
mass of the buffalo is extremely ir	ls and is being chased by a very large bo ntimidating. Yet, if Ben makes a zigzag p animal to his own advantage. Explain ho	pattern through the woods, he will be
Wind many constitution of the contraction of the co	I FARMING IN DI ACE	WEST

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