

SF_Energy_Activity_Clip_1_Commentary_Transcript Ideas

Caleb began the conversation by sharing that the rubber band Kevin drew (stretched horizontally, very tightly) was similar to a steep ramp because they have the same energy. When asked what he meant by that, he says they will go the same speed. It seems that, here Caleb is equating energy with speed. He also has the idea that too much energy or speed will cause a car to crash at the bottom of a ramp. Thus, steeper ramps have more energy than shallower ramps. Kevin seems to back up Caleb's idea that energy is the same thing as speed for a moment as he compares the two arrangements of rubber bands and says that the tighter one will have more speed. However, he adds to his thinking by saying that the two words, speed and energy, only *sometimes* go together and he clarifies what he means. Energy is like a car that has enough gas, and speed is something that two people have when they are racing.