

Prompt#1: How does science affect our lives on a daily basis?

On a daily basis, each person's life is affected by science because gravity plays a huge role in everything we do. In fact, we experience it so often that we don't even think about it! For example, it would be difficult for me to drive to work every day without gravity keeping me and my car on the ground. When I went skydiving I might have floated out into space instead of falling towards the earth. Another way our life is affected by science is when we make decisions to purchase a car. Some cars, like SUV's may be less fuel-efficient because they are higher off the ground and experience a greater amount of air resistance than a smaller sports car.

Prompt#2: How does your picture illustrate a scientific concept?

My selfie illustrates gravity, air resistance, and a parachute at work. According to physics4kids.com, all objects exert a gravitational force on other objects around them. However, objects with very large masses have an "impressive" gravitational pull. This is why my tandem jumper and I fell straight towards the massive Earth. According to Isaac Newton, all objects fall to the Earth with the same rate of acceleration (howstuffworks.com). It is known that a feather will take longer than a bowling ball to fall to the ground if both objects are dropped from the same height. This is where air resistance comes in. If there are air molecules present, and the objects are not in a vacuum, any object that falls through the air experiences resistance from the molecules in the air. You may not be able to see the air, but air is what kept me from plummeting to the ground. According to explainthatstuff.com, when the parachute opens it creates a huge amount of "drag" because the parachute has a large surface area. The parachute gets caught up in the air molecules and slows the rate of acceleration caused by gravity.

Prompt#3: How does understanding a scientific concept enhance our lives?

Understanding scientific concepts enhances our lives by...(this one is all up to you! I don't want to influence your responses-I'll share mine when you're done!) ☺

Bibliography (in APA format)

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