

Jo [REDACTED]
Fayston Elementary School
Grade 6
Teacher: Doug Bergstein

What is Earth day? Earth day originated in the USA in 1970, then was spotted by society. People had a realization that the earth is incredibly valuable and started the movement earth day to help protect it. Earth Day only became a global event in April, 2009. They strive to protect the Earth. Vermont is known for its thriving environment at all times in the year. No matter if it's spring, winter or even mud season, nature in Vermont does not look like it's thriving. Many people know of Climate change. "Climate change is a long term change in weather patterns mostly caused by human activity with fossil fuels such as coal, oil and natural gas."-United nations As you know, Vermont has a beautiful environment filled with thriving wildlife. So what could climate change do to the Vermont environment?

What does climate change do that affects the environment? Climate change is mostly made up of hot/warm temperatures. Nearly all places in the world are experiencing hotter days and or heat waves in their environment which can also affect how much precipitation the area gets. Climate change can also cause more severe storms and increased droughts. Climate change is all connected to fossil fuels. Burning fossil fuels creates greenhouse gas emissions that act like a blanket wrapped around the Earth, trapping the sun's heat and raising temperatures. Some examples of greenhouse gas emissions include carbon dioxide and methane. These come from using gasoline for driving a car or coal for heating a building, for example. Clearing land and forests can also release carbon dioxide. Landfills for garbage are a major source of methane emissions. Energy, industry, transport, buildings, agriculture and land use are among the main creations of climate change.

How does climate change affect vermonts environment? Vermont is known for its healthy environment and its mountains full of snow of course, but climate change can affect both of those things. As you know, Climate change makes temperatures rise and snow requires at least below 32 degrees fahrenheit or 0 degrees celsius to form. Otherwise, snow isn't able to form. Climate change is constantly warming up our environment. For example, at the time I'm writing this essay, It is currently March. Average temperatures in March in Vermont is 29 Fahrenheit. It is currently 54 degrees fahrenheit, 60 degrees celsius. That is 31 degrees warmer than the normal temperatures in Vermont. According to the weather forecast over the years, March is normally the best time for skiing because that's when it's the snowiest, best conditions and most tolerable daytime temperatures. But considering just today's temperatures, all the snow would be melting and it wouldn't be cold enough for more snow to form. That means Vermont's number 1 tourist attraction will not be there for as long, meaning the profits will go down.

What can we do to stop climate change? Much of our electricity and heat is powered by coal, oil and gas which are all fossil fuels. You can use less energy by lowering your use of heat and cooling, switching all light to LED lights and energy efficient electric appliances. You can

also bike or walk instead of driving or even take the bus to school or work will decrease greenhouse gas emissions. Eating more fruits and vegetables can significantly lower your environmental impact. Producing plant-based foods generally results in fewer greenhouse gas emissions and requires less energy, land, and water.

In conclusion, Climate change can heavily affect our environment and our ability to keep our environment healthy. Vermont is one of the healthiest states in Vermont according to the American Academy of pediatrics. It has one of the most healthy ecosystems in the US and I think most of us would like to keep it that way. Earth day is an important day where you can do the bare minimum of picking up trash that you found on the side of the road. It is important to keep our ecosystem healthy and clean so try to celebrate earth day.

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Biography: <https://www.earthday.org/history/>

<https://www.un.org/en/climatechange/what-is-climate-change>