

Dear Mrs. Sutton.

In choosing my Senior Project, it is with great excitement I have elected to study how to elicit Hydroponics effectively growing sustainable resources. I generally believe I would enjoy learning about the plant's adaptation to no soil—also, learning how to build the appropriate setup to cultivate the plants, subsequently giving the plants water through a complex system. I recognize plants need lights for growth, so a challenge is figuring out lights that won't give them too much light. I love gardening and have picked up how to make plants fruitful and produce the desired outcomes during my gardening. Plants and growing them has helped me with my mental health during Covid and the Pandemic lockdown.

I would love to make a system where we could grow vegetables, herbs, and products for the school. If the school has access to them through winter, it could be a fantastic opportunity to fortify a relationship between students and agriculture. In addition, gardening can be therapeutic, and when I leave the school, it would be fulfilling to have left a calm and refreshing project for those to heal. My paper not only would be on the benefits of hydroponics but the psychology between plants and people caring for them, in turn, teaching responsibility. My mentor is Vicky Johnson. Ms. Johnson is an exciting science/physics teacher. They have given me great direction thus far. Overall, my finished project would be a durable hydroponic system with plants thriving without soil.

In conclusion, I would appreciate learning more about horticulture and its relationship with mind, body, and soul. The structure and setup would create a system to grow the plants. I know water is essential, along with nutrients and fertilizer. However, using only water and light is a skill I would enjoy learning, in turn, how to be more sustainable by using less water to grow. Hydroponics could change how we grow food effectively with the smallest footprint on the planet.