

Noe Yoder

### MIT Application Endorsement Checklist Essay

For most of college I studied plant biology, taking the courses "Botany", "Plants and People", and "Picturing Plants" my senior year. Chemistry was covered in the Soil Science portion of "Ecological Agriculture: The Science, Justice, and Policy of Food Systems." Although I did not study geology in college, I studied both geology and volcanology extensively during my time as a park ranger at the Mount St. Helens Visitor Center and I based many of my ranger talks on my research of the local geology and local volcanology. I can confidently teach in either subject now and hope that this work experience can equate to at least 16 credits of lower level earth science.

Environmental Science was covered in both "Ecological Agriculture" and "Plants and People", as well as "Practice of Organic Farming". I also have credit in Anatomy and Physiology, Cell Biology, and Mycology.

I do not have college credit in either astronomy, physics, or statistics, and these I am willing to take supplementary courses for either before or during my time in the graduate program.

I Would like to teach Biology or Middle Level Science, as my degree is in Botany and I have credits in Cell Biology, Ecology, Anatomy and Physiology, and Soil Science as well as Botany. My Botany courses covered plant evolution extensively, and I have taught ranger programs on animal biology that have led me to research animal evolution as well. I know I do not have every credit necessary to become a middle school level science teacher or biology teacher, and I am happy to take supplementary undergraduate courses to make up for what I have not been able to learn at a job. However, my experience teaching history, art education, and science, as well as my personal love for reading, has led me to being confident in my ability to teach elementary education as well. I enjoy working with all grades and would be happy in either pathway.