

As a huge STEM enthusiast, one of the main reasons I want to participate in the National Youth Science Camp this summer is to meet other like-minded peers from across the nation and form friendships that will last long after the camp is over. By meeting other young scientists from a wide variety of different backgrounds, I hope to expand my perspective and stretch my ways of thinking. In addition, the lectures and seminars with guest scientists will give me the opportunity to learn from professionals and discuss some of the current research and broader issues facing the science community today. As someone who plans to do STEM research in college, being exposed to a wide variety of scientific work will allow me to explore new areas I have not tried out before. For example, some of the areas I am interested in

exploring further include artificial intelligence, neuroscience, and biotechnology. It would be an honor and a privilege to be able to explore these exciting areas over the summer with distinguished scientists from around the nation. In addition, one of the hallmarks of the National Youth Science Camp is that it allows recent high school graduates to develop their leadership and interpersonal skills in an outdoor setting. As a native from the Evergreen State, I greatly enjoy hiking, camping, and exploring in the great outdoors, and I would be excited to share this experience with others. Through the outdoor activities offered at the National Youth Science Camp, I hope to develop a closer connection to nature, try new things in a fun setting, and form close friendships with the students I meet.

As an incoming college student who is planning to study fields in STEM, I believe that scientists and engineers have a social responsibility to do work for the betterment of both humanity and the earth. Too often, new technologies are created at the expense of draining limited resources, such as the mining of precious metals that are required to mass-produce smartphones. In addition, access to new scientific and technological innovations are often solely reserved for the upper class people who can afford it, rather than being easily accessible to all. For example, I believe it is extremely unjust that the price of an EpiPen has shot up from \$57 in 2007 to over \$500 today. Lastly, I think the scientific community should take more steps to prevent the monopolization and monetization of research materials, such as tissues for medical research. For example, during the late 20th century, the HeLa cells used in many medical breakthroughs were commodified and sold by scientists for decades before the family of Henrietta Lacks even discovered that her cells were still alive. I believe that in order to prevent such unethical practices in the future, researchers and creators should always consider how their specific work fits into the larger picture of society. In the new age of modern scientific knowledge and technology, scientists should always consider the moral, environmental, and political implications of their work. When scientists understand the needs of society as a whole, they can truly contribute to the betterment of the world.