

CWSF 2012 - Charlottetown, Prince Edward Island



Jayden Schmidt

To See or Not To See

Challenge: Health

Category: Intermediate

Region: Fraser Valley

City: Abbotsford, BC

School: Abbotsford Traditional Secondary School

Abstract: This project tried to create a pair of colour-blind glasses with a coloured lens over one eye that would help people with red-green colour deficiency. 12 Ishihara test plates were used to test the subjects. When wearing 2 layers of green-tinted lenses, they could see the most correct answers/numbers. Can the intensity of colour tint affect the results of this test?

Biography

To start this project, I thought about some of the most studied issues in the world, but then decided to try something closer to home. I thought about my red-green colour-blindness, inherited from my grandpa through my mom, and figured I should try to do something to help myself and all others with red-green colour deficiency. Online I found ideas and theories about "colour-blind glasses." I wanted to see if this innovation could really help me. After coming up with results, I thought about how I could improve the project and go further with it. I concluded that maybe having a darker tint of lens would alter the results even further. This would be important if I were to try it again. For any other students, I would say it is necessary to think through all possible sources of error and anything that could either help or be inefficient. Although a majority of projects have to do with the environment, or how we can make things greener, I chose to do something that had to do more with me. I wanted to help colour-blind people, because they are not always remembered as much as the environment.