

CWSF 2020 - ,

Ariana Davidson

Liquid Optics

Challenge: Health

Category: Intermediate

Region: East Kootenay

City: Fernie, BC

School: The Fernie Academy

Abstract: This project applies liquid lens technology to optometry in order to replace the phoropter to increase access to vision care for people around the globe. In the project the technology is used to decrease the size, decrease the cost and reduced the weight. The goal of the project is to design a resilient, reliable, compact phoropter as to accurately diagnose vision impairments.