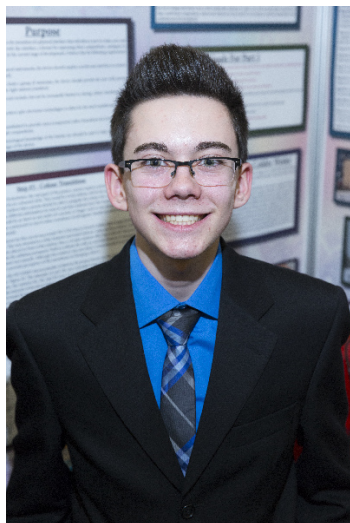


# CWSF 2018 - Ottawa, Ontario



## Daniel Kornlyo

### Light Orchestrator Part 1

**Challenge:** Innovation

**Category:** Intermediate

**Region:** Northern Vancouver Island

**City:** Gold River, BC

**School:** Gold River Secondary

**Abstract:** The Light Orchestrator will be a means of artistic expression using only light. Part one primarily focuses on how humans perceive light as well as constructing the tools that will be necessary to complete this project. It is my hope that Light Orchestrator, once completed, will be embraced by people with and without hearing challenges.

#### Biography

My name is Daniel Kornlyo. I am a science enthusiast, a figure skater, and a grade 9 student at Gold River Secondary School. I have a younger sister named Heather, and I live in a remote location on Vancouver Island. During summer break, I went to Walt Disney World, and there were shows that combined music and light. This made me think of a student at my school who is deaf, so I wondered, would it be possible to make a device that would allow someone to create a light composition as moving as music? If successful, my chosen name for this device is "The Light Orchestrator". I made the decision to do this project over two years. This was to ensure that I could give the project the attention that I feel it deserves. My advice to students doing a science fair project, is to make sure that you are interested in the subject of your project and never give up.

#### Awards

#### Value

|   |         |
|---|---------|
| Excellence Award - Intermediate - Bronze Medal<br>Sponsor: Youth Science Canada                                 |         |
| Western University Scholarship<br>Bronze Medallist - \$1000 Entrance Scholarship<br>Sponsor: Western University | \$1 000 |
| Total   | \$1 000 |