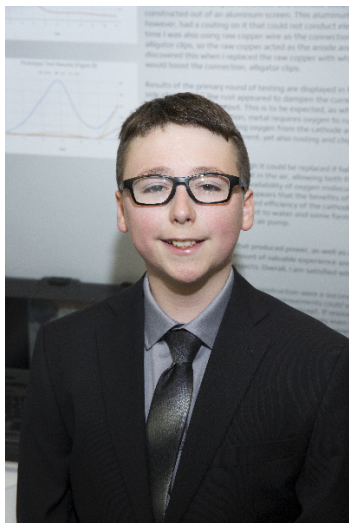


# CWSF 2019 - Fredericton, New Brunswick



## Riley Reese

### Microbial Fuel Cells

**Challenge:** Innovation

**Category:** Junior

**Region:** Central Alberta Rotary

**City:** Red Deer County, AB

**School:** Glendale Middle School

**Abstract:** I constructed and tested a Microbial Fuel Cell (MFC), a device that harnesses electricity from specific types of bacteria. These bacteria eventually clean out their food supply, so the MFC has a very big application in the water treatment sector. Potentially, the MFC could both treat waste water and generate electricity.

### Biography

My name is Riley Reese, and I go to Glendale Sciences and Technologies school in Red Deer City. I like to program (I am signed up for a course at the RDC for game development), write, and read. In the summer I enjoy camping far away from any town or city. When I get older and attend college, I wish to study to be a Software Engineer. This year was my third year attending the regional science fair, and my first ever time going to the CWSF. I am also the first in my school to attend the CWSF.