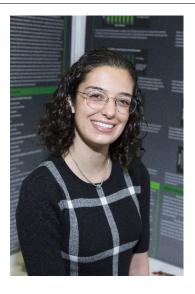




CWSF 2018 - Ottawa, Ontario



Biography

My name is Sarra Parker, and I am a grade 11 student at Lisgar Collegiate Institute in Ottawa, Ontario. I am interested in sustainable technology that can be implanted in developing countries, and that is where I got the idea for my project. I believe that creating technology that is environmentally friendly and viable for the citizens living in developing regions is important for the growth of developing countries. In school, I perform percussion in the senior band and orchestra. As well, I am a member of the varsity girls basketball team and Nordic ski team. Out of school, I play competitive basketball and also play drums in a rock band. I enjoy traveling and have had the opportunity to visit many countries. Last year, I went on a three-month educational exchange to Valencia, Spain. My advice for future scientists is to research and experiment projects and topics that you believe have the ability to make a difference in the world. If you see something that needs to change in the world, it is up to you to change it.

Sarra Parker

Microbial Fuel Cells: Energy for Tomorrow

Challenge: Energy		
Category:	Senior	
Region:	Ottawa	
City:	Ottawa, ON	
School:	Lisgar C.I.	
Abstract:	Construction of a microbial fuel cell to produce electricity. Use of bacteria-rich water in the place of wastewater. Implanting of different techniques to make the cell more efficient. Purpose of the experiment is to generate cheap and sustainable energy in third-world countries or disaster relief areas.	

Awards	Value
Excellence Award - Senior - Bronze Medal	
Sponsor: Youth Science Canada	
Carleton University Entrance Award	\$1 000
Senior Bronze Medallist - \$1,000 Entrance Award	
Sponsor: Carleton University	
University of Ottawa Entrance Scholarship	\$1 000
Senior Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: University of Ottawa	
Western University Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: Western University	
Total	\$3 000



Youth Science Canada PO Box 297 Pickering ON L1V 2R4 www.youthscience.ca / info@youthscience.ca 416-341-0040

