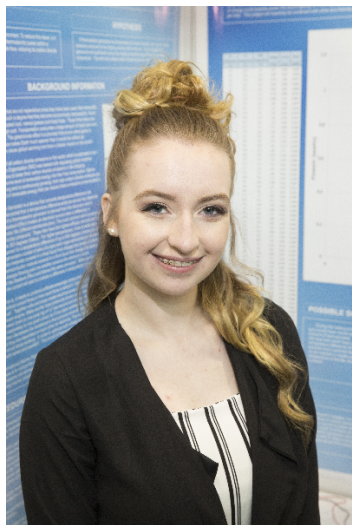


# CWSF 2019 - Fredericton, New Brunswick



## Tara Gover

### Thermoelectricity: Powering the Ships of Tomorrow

**Challenge:** Energy  
**Category:** Senior  
**Region:** North-West New Brunswick  
**City:** Bathurst, NB  
**School:** Bathurst High School  
**Abstract:** Incorporating thermoelectric power generation within the shipping industry, is the subject of my science fair project this year. By designing a new ship emission plan, this resulted in fewer carbon dioxide emissions into the environment and the production of renewable energy. Finding ways to reduce carbon dioxide in marine environments requires immediate action and innovative solutions.

#### Biography

My name is Tara Gover and I am a grade 11 student from Bathurst, New Brunswick. Besides science and engineering my interests include competitive dancing and participating in my school's plays and musicals. After high school I plan to attend Memorial University to study ocean and naval architectural engineering. Eventually finishing my studies at University of British Columbia to obtain a masters in naval architecture and marine engineering. My interest in shipbuilding is what inspired my project, planning and designing a ship that is eco-friendly is a goal of mine. My advice for other students is to find a topic that you are passionate about. That way it doesn't feel like homework, you are doing a project because you love the work. I'm very excited to attend CWSF 2019.

#### Awards

#### Value

Excellence Award - Senior - Bronze Medal Sponsor: Youth Science Canada	
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$2 000</b>