

# CWSF 2013 - Lethbridge, Alberta



## Paddy Bogart, Christopher Cusinato

### Hockey and Bacteria Share the Same Bag

**Challenge:** Health

**Category:** Junior

**Region:** Toronto

**City:** Toronto, ON

**School:** Upper Canada College

**Abstract:** In our project, we carried out experiments to determine which piece of hockey equipment contained the most bacteria, by swabbing the equipment and placing the bacteria in petri dishes. Several cleaning methods were examined to discover the most effective way to eliminate bacteria from the hockey equipment.

#### Biographies

**Paddy** - My name is Patrick Bogart. I am in grade 7 at Upper Canada College in Toronto. I have 4 siblings and 2 dogs. I am an avid hockey player and play for UCC and for the Toronto Marlies at the minor bantam level. The inspiration for this project was a result of reading a newspaper article about a boy who lost his hand from bacterial infection as a result of a dirty hockey glove. My partner and I wanted to better understand which piece of hockey equipment attracted the most bacteria and what was the most effective cleaning method to get rid of the bacteria. We continue to think through other ways to clean the equipment which may lead to a potential...

**Christopher** - I'm involved in many sports including hockey, soccer, tennis and lacrosse. Each of these sports require some type of equipment. I was curious to know, in particular, which piece of hockey equipment contained the most bacteria and what would be the most effective way to clean the equipment. Going forward, I would like to examine other pieces of sporting equipment to determine if our methods and results are accurate to other sports. My advice to other students who are doing a project in the future would be to chose a topic that interests them and can motivate them to work hard to determine the results. Another fact about me is that I am involve...

#### Awards

#### Value

Excellence Award - Junior - Gold Medal Sponsor: Youth Science Canada	\$700
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
<b>Total</b>	<b>\$4 700</b>