

# CWSF 2016 - Montreal, Quebec



## Emma Regier, Jillian Regier

### Temperature Tangles

**Challenge:** Health

**Category:** Junior

**Region:** Avon Maitland-Huron Perth

**City:** Crediton, ON, Centralia, ON

**School:** Our Lady of Mount Carmel School

**Abstract:** Extensive heat is known to be harmful to hair. In this experiment, we looked at how heat affects hair, how different heat protective formulas can protect hair, and how different hair products affect hair after using a hot flat iron to straighten it. We wanted to find solutions to protect hair from heat damage and keep it looking and feeling healthy.

### Biographies

Emma - My name is Emma Regier and I am a Grade 8 student at Our Lady of Mt. Carmel School. I am very competitive and try to excel in everything I do. I believe this is because of all the different sports I play: hockey, soccer, swimming and volleyball. My post-secondary plan is to enter the medical field and in particular, dermatology. A problem that many girls encounter daily is split ends. This is when the inspiration of this project came to us? "How is the best way I can keep my hair looking healthy but, at the same time still use heating tools to give me the style I want?". My friend Jillian Regier and I decided we wanted an experiment to f...

Jillian - My name is Jillian Regier and I am a grade 8 student at Our Lady of Mt. Carmel School. I enjoy playing ice hockey, swimming, baseball and performing in plays at our local theater. I love music and singing, and I have achieved a level of Grade 5 in piano. I am creative and I have always been interested in science and experiments. Styling my hair in the morning was my inspiration for this project. I wanted to ensure I was doing everything I could to keep my hair healthy and prevent split ends and damage when straightening it with a flat iron. My friend, Emma Regier and I decided to do a science experiment to test heat protectants, and find solu...

### Awards

### Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 000