

CWSF 2012 - Charlottetown, Prince Edward Island



Emery Racine, Jack Dumont

Don't Be a Melon Head!

Challenge: Health

Category: Junior

Region: Aboriginal Québec Autochtone

City: Maniwaki, QC

School: Kitigan Zibi Kikinamadinan

Abstract: This project looks at possible improvements to a helmet's liner to better prevent concussion injuries. Various materials were tested by lining a helmet and dropping it with a melon in it from different heights. Experimental results supported our hypothesis that the marshmallow protects the melon by absorbing the impact better than the current liner.

Biographies

Emery - My name is Emery Racine. I am from Kitigan Zibi, a First Nations Community in Quebec. I am 12 years old and currently in Sec. 1. I play hockey in a league from Maniwaki, Quebec. I played Pee Wee CC and next season I will be in Bantam. I also play hockey on the high school team from my school, Kitigan Zibi Kikinamadinan. My partner and I became interested in learning about concussions because of Sydney Crosby who was injured with a concussion last January 2011. As well, we are both hockey players ourselves and we were concerned when we heard more and more players were getting concussions. It made us wonder about how safe hockey helmets were an...

Jack - We became interested in learning about concussions because of Sydney Crosby who was injured with a concussion last January 2011. As well, we are both hockey players ourselves and we were concerned when we heard about other players getting concussions. Just like one of our own teammates who was on our injured list with a concussion for three weeks when he got hit and fell back on his head. It made us wonder about how safe hockey helmets were and if there was a way to improve them to protect players better. My mother also helped us with an idea she knew about from last year's CWSF; she heard about a student that designed a new helmet to prevent...