



CWSF 2013 - Lethbridge, Alberta



Aaron Howe

QR for the ER

Challenge: Information Category: Junior

Region: Canadian Rockies **City:** Canmore, AB

School: Banff Community High School

Abstract: This innovation uses two dimensional bar codes to provide access to

medical information by emergency personnel. Individuals are able to

maintain their own information using a protected account at

myICEblock.com. Emergency responders can access the information using

a variety of smart phone and tablet devices.

Biography

I am a Grade 8 student attending Banff Community High School in Alberta. I am greatly interested in human cybernetics and computer integration. I enjoy taking part in our regional Science Fair and have previously entered projects using robotics, chemistry and computer testing, achieving first place in my category on each occasion. I have received various other awards including the Genome Alberta award this year. This project was inspired by an article I read titled "Shakespeare sonnets encoded in DNA". I tried to find a practical use for computer code on the body and so formulated the idea of QR codes on the skin. It was suggested that this could be applied to dog tags, clothing, bracelets, etc. storing static information. However I think a more useful expansion would be to let additional information such as banking details, drivers license or résumé be added by the user dynamically over time. My advice to other students is to find something original, useful and convenient, the simplest ideas are often the best.

Awards	Value
Excellence Award - Junior - Bronze Medal	\$100
Sponsor: Youth Science Canada	
Western University Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: Western University	
Total	\$1 100





Youth Science Canada

