

## CWSF 2006 - Saguenay, Québec



### Daniela Bernard, Justine Gould

#### Projectiles and Gravity

**Division:** International

**Category:** Intermediate

**Region:** Mi'kma'q First Nation

**City:** Whycocomagh, NS

**School:** We'koqma'q First Nation Secondary School

**Abstract:** In our project we wanted to analyze the relationship between range, velocity, and trajectory of projectiles given potential energy from ramps of various slopes and types giving rise to differing kinetic energies. We studied several materials such as rubber, glass, and steel balls (same size, but differing density and friction). Practical applications such as ski jumping were considered.