

## CWSF 2006 - Saguenay, Québec



### Kathleen Szymanek

#### Mach 1: The Speed of Sound

**Division:** International

**Category:** Intermediate

**Region:** Central Alberta

**City:** Eckville, AB

**School:** Spruce View School

**Abstract:** The purpose of this project was to calculate the speed of sound in air using the principle of acoustical resonance, a tuning fork, and a pipe with one open and one closed end. The speed of sound was found to be 336.5 meters per second, a very reasonable calculation considering the altitude and the temperature of the room the experiment took place in.