

# CWSF 2006 - Saguenay, Québec



## Richard Wile

### Instruments Tops How Wood Choice Affect Sounds

**Division:** Health Sciences

**Category:** Junior

**Region:** Halifax

**City:** Bedford, NS

**School:** Bedford South School

**Abstract:** This project investigated if hardwood-topped stringed instruments produce a different sound than softwood-topped. Two standardized, simple instruments were made; with cedar and maple tops. They were plucked at standard stroke while music-recording software assessed waveforms. Cedar produced consistent waveforms through the entire spectrum, confirming it as the popular stringed instrument top wood choice.

Awards	Value
Honourable Mention - Engineering - Junior Sponsor: Youth Science Foundation Canada	\$100
Total	\$100