

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 | \$100 |
| Sponsor: Youth Science Foundation Canada | |
| Total | \$100 |