

CWSF 2006 - Saguenay, Québec



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Converting a Homemade Cathode Ray Tube into a Laser

Division: International

Category: Intermediate

Region: South Shore

City: New Germany, NS, Bridgewater, NS

School:

Abstract: The first purpose of our project is to build a cathode ray tube out of common materials. The hypothesis is that if the proper materials are assembled in a precise manner, and proper conditions can be created, then a homemade cathode ray tube can be converted into a laser. The products can then be manufactured and made commercially available to schools for teaching atomic theory.

Awards	Value
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Physical & Mathematical Sciences - Intermediate Sponsor: Encana Corporation	\$300
Total	\$1 300