



CWSF 2010 - Peterborough, Ontario



Biography

I have four brothers in my family (we are two sets of twins). My brother Ben and I are the older set of twins, aged 12, and we are both coming to the Canada Wide Science Fair. My musical interests include playing the piano and the flute. My interests include computers, robotics and making stop motion animation films. Two of my animation movies have won film festival prizes. I love to build robotic machines. Sports that I enjoy include rugby, basketball, swimming and downhill skiing. My favorite runs on the ski hill are the black runs with lots of moguls!

Duncan Stothers

Packing Pyramids

Life Sciences
Junior
Greater Vancouver
Vancouver, BC
St George's School
This experiment developed and tested a new loose packing material made from biodegradable materials. The ?packing pyramids' were based on a tetrahedron and included a two-stage compression resistance design. Models were built to test gradual and sudden compression examining quantitative and qualitative effects. Packing pyramids outperformed common alternatives with less compression in both constant and sudden

Awards	Value
The University of Western Ontario Scholarship	\$2 000
Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Western Ontario	
Silver Medal - Engineering - Junior	\$700
Sponsor: Youth Science Canada	
Total	\$2 700



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