

## CWSF 2008 - Ottawa, Ontario



### David Haynes

#### Do Environmental Stresses Affect the Strength of Glue Bonds?

**Division:** Health Sciences / None

**Category:** Intermediate

**Region:** Vancouver Island

**City:** Victoria, BC

**School:** Glenlyon Norfolk School

**Abstract:** Using household materials this experiment investigated the impact of five environmental stressors on the bond strength of three types of glue. Results on 200 test models (25 groups of 8) showed that certain glue types perform better in wet conditions, while others perform better in high temperatures. Consequently individual glues can be pre-selected for a predictable engineering performance for use in different environmental conditions.

#### Biography

My name is David Haynes and I was born in Georgetown, Ontario on October 14 1993. I moved from Ontario in 2002 to British Columbia. I live with my two younger brothers and my parents on Prospect Lake, Victoria. I went to school at Royal Oak Middle School. I changed schools when I was in grade 7 to Glenlyon Norfolk School. Since I moved to Victoria I have participated in 4-H, mountain biking, sailing, tennis and fencing. I am also an avid reader, keen snow boarder and model builder.