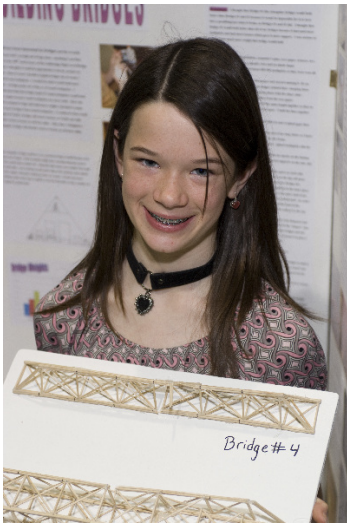


## CWSF 2009 - Winnipeg, Manitoba



### Faith Metzger

#### Bridge Structures, Materials, etc

**Division:** Health Sciences / Automotive

**Category:** Junior

**Region:** Lethbridge

**City:** Lethbridge, AB

**School:** Gilbert Paterson Middle School

**Abstract:** I built four different bridges out of toothpicks: one out of flat toothpicks, one out of round toothpicks, one with double reversed trusses, and a triangular bridge with double reversed trusses. I added weight and collapsed each bridge, then weighed and compared the results.

#### Biography

Faith is in the Grade 7 Montessori program at Gilbert Patterson Middle School in Lethbridge, Alberta, and won third in her division at the 2008 Regional Science Fair. She enjoys breakdancing and gymnastics, loves doing anything creative, and is very active. She is currently taking SCUBA lessons and will do her open water certification dives in the Carribean this summer.