



## CWSF 2005 - Vancouver, British Columbia



## **Mackenzie Lister**

## **Knot Theory**

**Division:** Physical & Mathematical Sciences

Category: Senior

Region: New Brunswick
City: St. Stephen, NB

School: St. Stephen High School

**Abstract:** Knot Theory is the study of knots; it deals with the properties that no

amount of physical manipulation can change. The invariants of Knot Theory are directly applicable to the duplication of DNA. Knot Theory provides

clues that may help lead to the structural correction of DNA.

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



