

# CWSF 2011 - Toronto, Ontario



## Neel Ashton Sharma

### S.O.S.: Stop Oil Spills- Results of an LC50 Study on Artemia Salina

**Challenge:** Environment

**Category:** Junior

**Region:** Frontenac, Lennox & Addington

**City:** Kingston, ON

**School:** King's Town School

**Abstract:** This project studied the effectiveness and safety of potential clean-up agents in an oil spill. A series of oil spills were simulated to study the effects the agents and oil would have on a biological model using Artemia Salina (Brine Shrimp). While polymer and hair were effective and well tolerated by Artemia, soap was very toxic and most Artemia died when this agent was used.

#### Biography

Neel Sharma is a grade 7 student at King's Town School in Kingston, Ontario. His past accomplishments include receiving Gold Medals from Kingston Regional Historical Fair, Frontenac Lennox and Addington Science Fair, and Mathematica Centrum (Fibonacci, Pythagorus and Gauss). An aspiring movie director, physician and entrepreneur, Neel's YouTube channel boasts thousands of channel views. A competitive ski racer, Neel enjoys fishing, creative writing, traveling and sketching.

#### Awards

#### Value

Challenge Award - Environment - Junior Sponsor: Encana Corporation	\$500
Excellence Award - Junior - Gold Medal Sponsor: Youth Science Canada	\$1 500
The University of Western Ontario Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: University of Western Ontario	\$4 000
<b>Total</b>	<b>\$6 000</b>