

## CWSF 2014 - Windsor, Ontario



### Effects of Acid/Base Solutions on Knightia Fossils and Taphonomy of Descendants

**Challenge:** Discovery

**Category:** Junior

**Region:**

**City:** ,

**School:**

**Abstract:** The project investigates how acidic solutions, basic solutions, and a neutral control affect both the natural decay (taphonomy) and fossilization process of herring, and additionally how the occasional presence of acidic or basic solutions in the environment can affect the quality and preservation of existing fossils of Knightia from the Fossil Lake/Green River formation in Wyoming.

Awards	Value
Excellence Award - Junior - Gold Medal Sponsor: Youth Science Canada	\$700
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
Total	\$4 700