

## CWSF 2011 - Toronto, Ontario



### Slurpy Colour Magic: Colour Disappearance versus Sugar Concentration

**Challenge:** Discovery

**Category:** Junior

**Region:**

**City:** ,

**School:**

**Abstract:** Different concentrations of sugar solutions were made. To these, green food colouring was added. They were frozen in dialysis tubing. The freezies were vacuum-suctioned to see the effect of sugar concentration on colour disappearance and ice crystal shape. It was found that as sugar concentration increased, colour disappearance happened more easily and crystal shape changed.

Awards	Value
Excellence Award - Junior - Silver Medal Sponsor: Youth Science Canada	\$700
The University of Western Ontario Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario	\$2 000
Total	\$2 700