

CWSF 2013 - Lethbridge, Alberta



A System for the Passive Modification of the Wavelength of Light in a Greenhouse

Challenge: Innovation

Category: Intermediate

Region:

City: ,

School:

Abstract: Plants grow at a variety of rates when exposed to different wavelengths and durations of light. This innovation is a passive system, designed in a way that it can be programmed to control the specific wavelengths of light and duration of light exposure on the plant. This system attempts to tailor the growth cycle of a greenhouse crop in a controlled and energy efficient way.

Awards	Value
Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	\$100
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 100