

## CWSF 2018 - Ottawa, Ontario



### Lisa Jiali Ding, Mahi Patel

#### Circadian Rhythm of Phaseolus Vulgaris

**Challenge:** Environment

**Category:** Junior

**Region:** United Counties

**City:** Cornwall, ON

**School:** Holy Trinity Catholic Secondary School

**Abstract:** In this experiment, 27 bush beans were evenly planted in three, six, and twenty-four hours of incandescent light to determine if the amount of time exposed to incandescent light affects their circadian rhythm. It can be concluded that beans exposed to six hours of light did the best overall, since their circadian rhythm was changed the least.

#### Biographies

Lisa Jiali - My name is Lisa Ding from Holy Trinity Catholic Secondary School in Cornwall, ON. People describe me as a kind, smart, and quiet person, who is creative and artistic. I like to participate in a variety of school activities such as math club, Eco-team, and the GLS course. The GLS course stands for General Learning Strategies, which prepares grade 8 students for high school, and gives the student one extra high school credit. Through participation in school teams, I have won a bronze medal in standing long jump, and was a member of the winning grade 8 AA volleyball team this year. Outside of school, I have won figure skating competitions, achie...

Mahi - My name is Mahi Patel. I am extremely proud to be a Falcon (a student at Holy Trinity Catholic Secondary School in Cornwall Ontario.) I am a 14-year-old who likes to take leadership roles. People often describe me as an athletic, funny, kind, intelligent, hard working, and a very competitive person. At school, I am a member of the Eco Team, Math Club, and sport teams. I am also taking a course twice a week to earn a high school credit. Outside of school, I love competitive swimming and swam for the Cornwall Sea Lions. I am working towards becoming an authorized Lifeguard. I currently am First Aid certified. I am inspired to finish my voluntee...

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