

# CWSF 2012 - Charlottetown, Prince Edward Island



## Robyn Vivian

### Let's Cross That Bridge When We Come to It

**Challenge:** Information

**Category:** Intermediate

**Region:** Central Newfoundland

**City:** Marystown, NL

**School:** Pearce Jr. H.S.

**Abstract:** This project studied the mathematical concept of graph theory- its basis, background, proper terminology, as well as its relation to topology. Research was conducted to determine whether practical applications of the concept in real life situations were possible. Experiments were also conducted in attempts to solve abstract puzzles that are built around, or can be solved using, this concept.

#### Biography

Hey, my name is Robyn Vivian, and I am a 14 year old ninth grade honours student at Pearce Junior High School in Burin, Newfoundland. I am an avid reader- I have an especial weakness for fantasy and dystopian novels. I am quite competitive, am very particular with regards to grammar, and I have a tendency to talk a lot! I love music; I play piano, and my favorite band is Shinedown. My favorite subject in school is English, and I live for school speak-offs and regional drama festivals every year- I received an award for acting in 2011. I am co-chair of our school's Booster Club, a member of our Book Club, and a tutor in our school's student tutoring group. I also compete on our school's math league- our team has received first in our division in both the 2011 and 2012 regional competitions. I love participating in Science Fairs. This will be my first time attending a national fair, and I can't wait!

#### Awards

#### Value

Discovery Channel Math Award	\$750
Sponsor: Discovery Channel	
Total	\$750