

## expanding your horizons network

powered by **techbridge girls**

### Schedule of Events

|                   |   |
|-------------------|---|
| 8:45am - 9:30am   | Registration/Breakfast  |
| 9:30am - 10:00am  | Welcome   |
|                   | <b>Workshop Period I</b><br><b>A Day at the Beach:</b><br>Do you like going to the beach? Did you know our beaches are moving? How will they change? In this workshop we will discover how our local beaches are changing. Using Google Earth to view historical aerial photographs we are able to see how our shorelines have changed over the last 20 years. We will talk about these changes and discuss why they occur.   |
| 10:10am - 11:00am |   |
|                   | <b>Workshop Period II</b><br><b>Engineering Candy Bridges:</b><br>Have you ever wondered how a bridge is capable of supporting a lot of weight? Engineers must make sure bridges can withstand large loads so that multiple cars and people can cross over them at the same time. In this workshop we will explore the strength of shapes and how they relate to the structure of bridges as well as other engineering concepts. Using candy and toothpicks, workshop participants will design and build bridges that can hold the weight of a candy bar (and yes, you can eat it afterwards!). |
| 11:10am - 12:00pm |   |
| 12:00pm - 12:45pm | Lunch   |
| 12:45pm - 1:15pm  | Keynote Speaker   |
|                   | <b>Workshop Period III</b><br><b>Watching Worms Wiggle:</b><br>Did you know there are itty-bitty (the size of a speck of dust) worms living pretty much everywhere in your environment? How do these little critters survive? How do they find food and evade predators? Using simple mathematics and a few microscopes, we will attempt to answer the burning questions: How fast can a worm wiggle?   |
| 1:30pm - 2:20pm   |   |
| 2:30pm - 3:00pm   | Demo/Group Activity   |
| 3:00pm - 3:15pm   | Certificates/Prizes and Closing   |

