



# BEHIND THE SCREENS

A free program that introduces various STEM (Science, Technology, Engineering and Math) topics to students in the community.

@  
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Questions,  
Comments or  
Join our mailing list?  
Email: Anli Wu  
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## Class 1: Electricity and Electronics

Date/Time: Fridays on March 3, 10, 17, 24 from 4:00 to 5:00 pm

Suggested Grades: 2<sup>nd</sup> to 8<sup>th</sup>

Detail: A hands-on project every week and demo!

- Week 1: Create series and parallel circuits and solve a puzzle!
- Week 2: The Good, the Bad and the Electromagnet!
- Week 3: Investigate the conductivity of a saltwater circuit
- Week 4: Creating a circuit with solar panels: demo and puzzles

Join our mailing list! email: [anliwunash@gmail.com](mailto:anliwunash@gmail.com)

## Class 2: Roller Coaster Physics

Date/Time: Fridays on Mar 31, Apr 7, 21, 28 from 4 to 5:30 pm

Suggested Grades: 2<sup>nd</sup> to 8<sup>th</sup>

Details: Do you know that most roller coasters are designed without a motor attached to the carts? How do the carts travel through the hills and loops without it? Come and learn a little bit about different forms of energy and conservation of energy. More importantly, we'll have lots of fun building a 6-foot-tall roller coaster for your marbles with more complicated design each week. We'll also have a friendly competition to see who can build the best roller coaster!