



# ECE OUTREACH

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## Project Overview

- The ECE Outreach program is a vertically integrated project (VIP). Working to educate and increase interest in Electrical and Computer Engineering through demonstrations, lessons, and workshops. The Outreach team has 19 members split up into three sub-teams, the Analog, Digital, and Math teams. The sub-teams focus on building demos, planning workshops, and putting together lesson plans that will get students excited about ECE.

## 2020-2021 Events

- Engineering Majors Fair
- Engineering Exploration Day
- Engineering 101 Presentation
- Introduce a Girl to Engineering Day

## Analog Team

- Filters
- Sparking Capacitor
- Tesla Coil
- Tesla Lamp
- Levitating LED Light



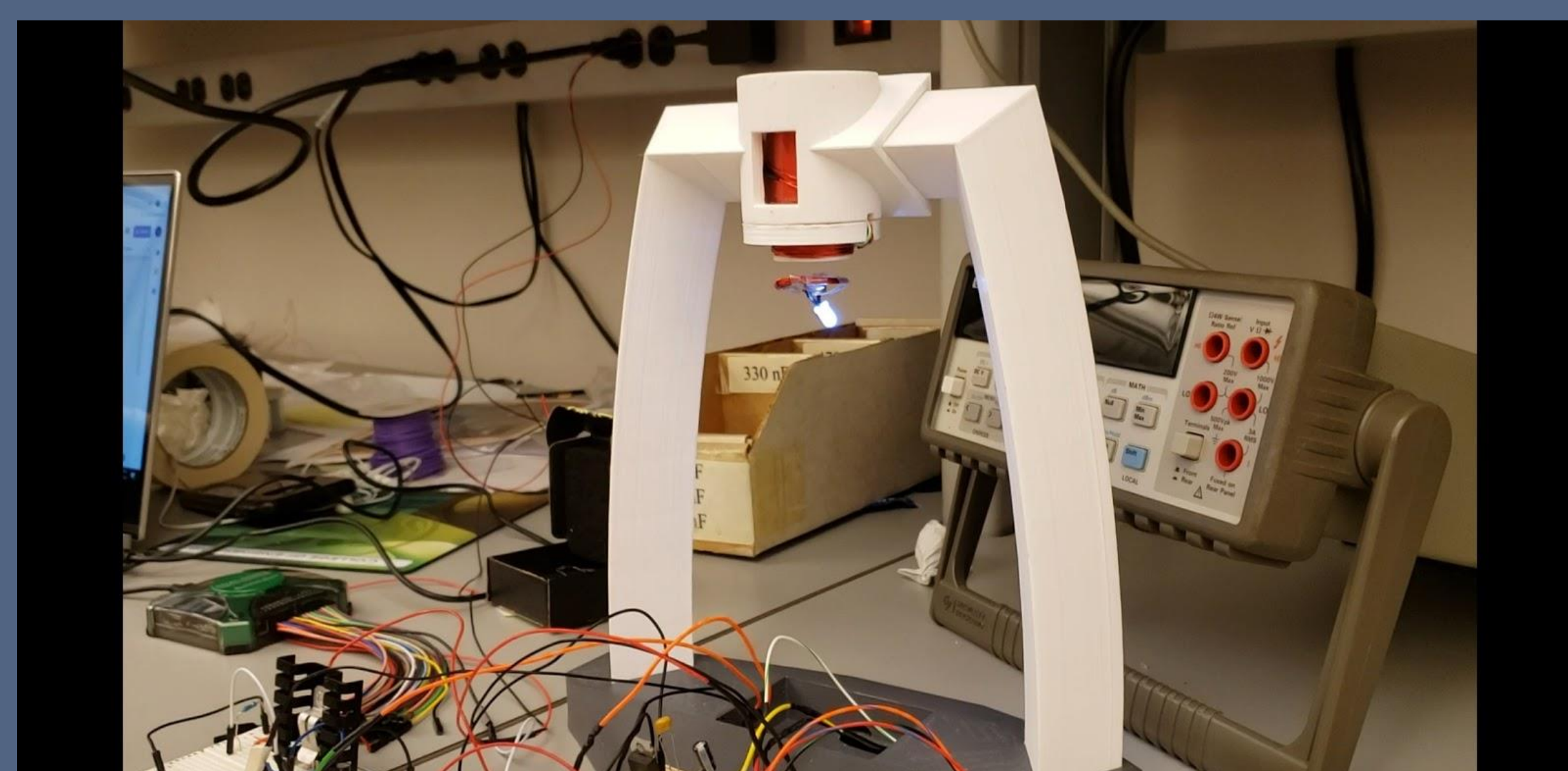
Sparking Capacitor

## Digital Team

- Website
- Wiggle Bot
- Magic Boxes
- Doodle Jump
- Arduino Workshops

## Sponsor

We would like to thank Ball Aerospace for sponsoring our team. Their contribution to our program has helped to ensure we have the funds to develop projects.



Levitating LED Light

## Math Team

- Popping Capacitors

## Future Goals

- Develop more interesting demonstrations, lesson plans, and workshops.
- Reach out to schools.