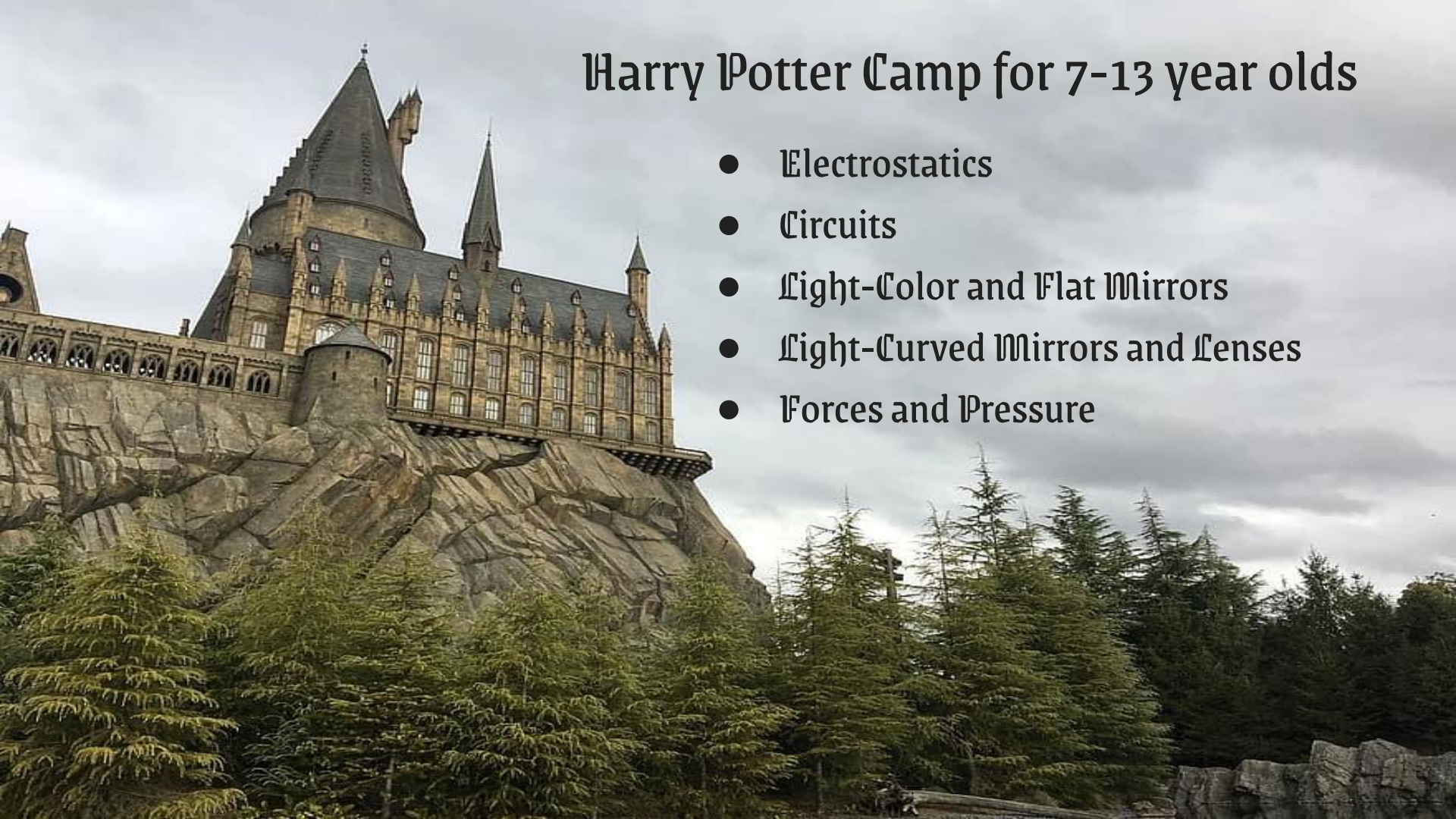
A photograph of Hogwarts Castle, a large Gothic-style stone building with multiple spires and towers, built on a rocky cliffside. The castle is surrounded by green evergreen trees in the foreground. The sky is overcast and grey.

# Harry Potter Physics

Carolyn Crapo  
Grandview High School  
Aurora, CO



# Harry Potter Camp for 7-13 year olds

- **Electrostatics**
- **Circuits**
- **Light-Color and Flat Mirrors**
- **Light-Curved Mirrors and Lenses**
- **Forces and Pressure**



# A few Spells and Activities: Electricity

Accio - Soda can and wand

Circumago-Meter stick on watch glass (smaller version with stone and large popsicle stick) *(Note: This one is not a real Harry Potter Spell. I just look up the latin for what's happening if there isn't an actual spell in the books.)*

Wingardium Leviosa - tinsel orb and PVC (Brite Star Tinsel is best)

[Amazon.com: Brite Star Tinsel Icicles, 1000 Strands Per Package : Home & Kitchen](https://www.amazon.com/Brite-Star-Tinsel-Icicles-1000-Strands-Per-Package-Home-Kitchen/dp/B000000000)

Locomotor - Bottle with styrofoam and wax paper

Lumos/Nox - Light up wands and Play doh Circuits

# How I use these with my AP Physics Students

Electrostatics Introduction Lab:

[Electrostatics Lab Handout-AP Physics](#)



# More Spells and Activities

3D Holographic Pyramid:

[3D pyramid template](#)

Two Videos to try on phone/ipad (there are tons, can google more, look up “3D hologram videos” on youtube): [10 hour Jellyfish Hologram - YouTube](#)

[All in One Hologram Technology Video For Holographic Pyramid | 4 face view - YouTube](#)

Spell: Ascendio (since it moves the image to appear up above the phone)

Spells from all Camps:

[Link to all the Spells/Activities](#)

(Note spells in italics are not actual ones from the books)



# Example of Camp Activities



[Daily Schedule for Electrostatics and Circuits Camp](#)

# Acceptance Letters Delivered by Owl Post



Dear Miss Clarissa Crapo,

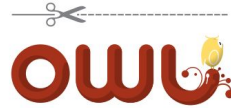
I am pleased to announce that you have been accepted to the Hogwarts School of Witchcraft and Wizardry Magic of light and Mirrors Forces and Pressure Camp.

The term runs June from 10:30 am to 1:30 pm. All magical equipment will be provided. Please find enclosed your ticket to Platform 9 3/4 located at 17320 Lake Drive, Aurora. Since the surrounding area is well protected by memory charms, it will be safe to wear normal wizard attire. If you are unable to come by way of Floo powder or apparition and must travel by car amongst the Muggles, feel free to arrive in Muggle clothing.

Yours Sincerely,

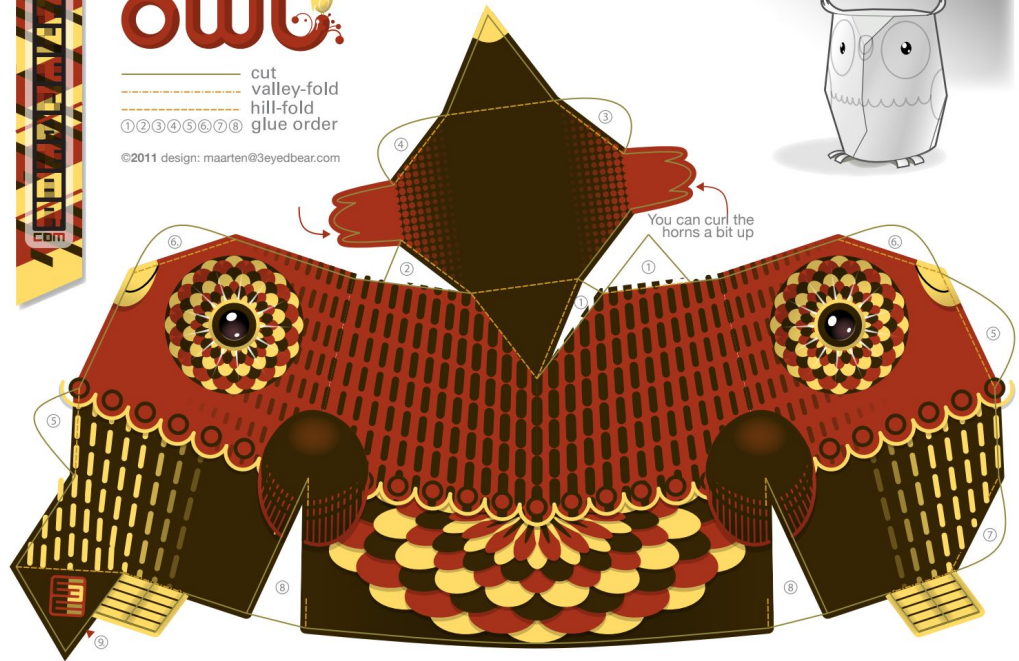
*Minerva McGonagall*

Minerva McGonagall  
Deputy Headmistress



— cut  
- - - valley-fold  
- - - hill-fold  
①②③④⑤⑥⑦⑧ glue order

©2011 design: maarten@3eyedbear.com



# Questions?

If you're interested in running a camp like this, I'm happy to share ideas.

My contact info:

[carolyncrapo@gmail.com](mailto:carolyncrapo@gmail.com)

[ccrapo@cherrycreekschools.org](mailto:ccrapo@cherrycreekschools.org)