



## **SCIENCE OF SCI-FI**

Wednesdays, January 26-April 27 (no class Feb 23, Apr 6; 12 weeks)

9:30am-10:45am

Ages 8-10

Students learn about gadget engineering, real-life superpowers, and special effects associated with being a true sci-fi expert as they master the science behind bringing to life their favorite science fiction fandoms. Laptop or tablet is required for some classes. All lab costs are included in registration fee.

Instructor: Candra Umunna, BSc

Location: Science Center (suite 5)

Course fee: \$220 OR \$20/lab

10% sibling discount

Register for full semester or individual labs.

### **LAB SCHEDULE:**

**Color Blending** - Wednesday, January 26

Students are introduced to color theory and methods of combining stage and special effects makeup to create realistic colors and palettes.

**Scars and Scabs** - Wednesday, February 2

Students explore how scars, cuts, and scabs can be brought to life utilizing polymers.

**Prosthetics** - Wednesday, February 9

We investigate the physical characteristics of latex used widely in prosthetic SFX as we practice application techniques.

**Dry Ice Effects** - Wednesday, February 16

This week we investigate the physical and chemical properties of dry ice and how we can use this medium for special effects.

**Harry Potter Props** - Wednesday, March 2

Kids learn the basics of digital SFX application to photos and videos as we bring some editing magic to life with physical props. Laptop or tablet is required for this class.

**Zelda Sword** - Wednesday, March 9

Students learn about designing and engineering prop weapons as they work to create The Master Sword from Legend of Zelda. They explore low-density building materials that are light-weight but detailed.

**Maleficent Props** - Wednesday, March 16

Students strengthen measuring skills as they examine structural sculpting with everyday materials to create Maleficent's infamous horns.

**Iron Man LEDs** - Wednesday, March 23

Students learn about the benefits of LEDs when working with electrical components as they work to create Tony Stark's arc reactor.

**Mandalorian Armor** - Wednesday, March 30

This week, we learn about the physical properties of armor and try molding and manipulating materials to form their own beskar arm piece.

**Alien Props** - Wednesday, April 13

Today, we discuss extraterrestrials and potential life in other galaxies and create gooey squishy aliens from Toy Story.

**Stop-Motion Design** - Wednesday, April 20

Students plan and design their own sci-fi movie and begin creating a trailer using stop-motion movie techniques and software. Tablet or digital camera is needed for this class.

**Stop-Motion Editing** - Wednesday, April 27

Students complete their stop-motion trailer and learn how to edit their films using different software. Tablet or digital camera is needed for this class.

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