

# STEAM Newsletter

## STEAMing into Ringwood Public Library

### What is STEAM?

**S**cience – TRADITIONAL FIELDS OF SCIENCE: BIOLOGY, CHEMISTRY, PHYSICS, GEOLOGY

**T**echnology – COMPUTER SCIENCE, PROGRAMMING, ROBOTICS, ELECTRONICS

**E**ngineering – PHYSICAL, CHEMICAL, ELECTRICAL, CIVIL

**A**rts – APPLIED AND TRADITIONAL ARTS: GRAPHIC DESIGN, WOOD WORKING, PHOTOGRAPHY

**M**athematics – BASICS, ALGEBRA, GEOMETRY, CALCULUS, FINANCE

### Why STEAM at the library?

In a time when libraries are going more digital and virtual, space is opening up for exploratory and intellectual activities. Technology is changing at a rapid rate and libraries have always kept members of society updated on current information. STEAM has something to offer and appeal to everyone of every age. It is collaborative, hands-on, and thought-provoking. Practicing science and using technology instill qualities and skills, such as perseverance and critical thinking, that make us problem-solving members of society, able to understand issues pressing upon our society and local communities.

### What STEAM at the library will look like...

- ◆ Don't miss fun STEAM activities for kids with Miss Kristine and Miss Heather!
- ◆ Look for informational and hands-on exhibits and activities.
- ◆ Look for activities to try at home, trivia, movie suggestions, and references to sources of information in this newsletter and on our website: [www.ringwoodlibrary.org/](http://www.ringwoodlibrary.org/)
- ◆ Look for new programming, such as Science Readers' Club, Math Club, and Strategy Games Club.
- ◆ **Come to New Jersey's Maker Day at Ringwood Library on March 22 and 23! Activities are planned for all ages.**

### Fun Websites

The Nobel Prize winners for 2018 have been announced. Go to [www.nobelprize.org](http://www.nobelprize.org) to learn more about the prizes, the winners, and the creator of the prizes, Alfred Nobel.

There's an app for that....

The Hamilton App gives you access to news, trivia, and a lottery for \$10 tickets for the Broadway musical *Hamilton*.

Available for iOS in the App Store and on Google Play for Android.

### KIDS!

#### Try our STEM Connections Scavenger Hunt:

- > Come to the library
- > Locate the Harry Potter series books AND books by Jack London.
- > Nearby those books, you will find "STEM Connections" display information.
- > Find the key phrases.
- > Tell the two key phrases to a staff member at the front desk to receive a prize!

#### Science in the Movies:

Science Fiction: *GATTACA*

Let it trigger conversation about the ethics of genetic engineering.

Recommended for Ages 13 + up

[Place on Hold here.](#)

#### Recommended Reading:

*Light Elements*, by Judith Stone

Highly readable and funny collections of essays on general science topics, from Velcro to Koko, the signing gorilla!

[Place on Hold here.](#)

*The Radium Girls; The Dark Story of America's Shining Women*, by Kate Moore

[Find it on Hoopla here.](#)