

## STEAMing into Ringwood Public Library

**S**cience

**T**echnology

**E**ngineering

**A**rts

**M**athematics

### What's coming up at RPL...

- Anime on Nov. 2
- Legos Free Play on Nov. 2
- Candy Corn Math on Nov. 5
- Comic Drawing Club on Nov. 20
- Gadget Gals on Nov. 23
- Hour of Code on Dec. 11

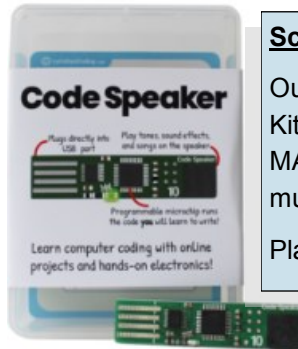
**[See our full schedule here.](#)**  
***Call the library to register or email***  
**[caldwell@ringwoodlibrary.org](mailto:caldwell@ringwoodlibrary.org)**

### All about Owls:



Owl Workshop on Nov. 9 & Lecture on Nov. 17 in Millington at The Raptor Trust. See [theraptortrust.org/](http://theraptortrust.org/).

The 2019 Nobel Prize Winners were announced in October. The list includes the oldest (97!) Nobel Laureate. Among the winning discoveries were the first exoplanet orbiting a sun-like star and cosmic radiation leftover from the birth of the universe. Go to [www.nobelprize.org](http://www.nobelprize.org) to see all of the winners and their exemplary contributions to society!



### Science-to-go Kits: Play to learn!

Our newest kit is all about coding! The Code Speaker Kit comes with a USB device for your Windows PC, MAC or Chromebook. Follow the lessons to code for music and Morse code in C++.

Place a hold on it [here](#).

### In theaters now!



**The Current War.**  
 DC or AC?  
 Tesla, Edison & Westinghouse and the battle over electricity in the 1880's.

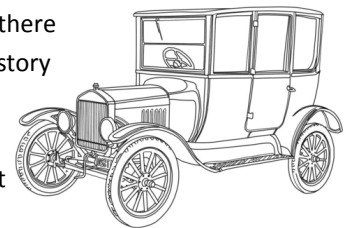
See our [STEAM webpage](#) for more about DC and AC currents.

In November, we are well into the hurricane season. Check out <https://spaceplace.nasa.gov/hurricanes/en/> for information about hurricanes. You can even watch a video of the formation of Hurricane Katrina, the hurricane that devastated New Orleans in 2005.



### Speaking of Tesla...

Tesla's auto piloted cars could ultimately save lives, but there have been and will be more deaths. See the Bloomberg story [here](#). Automobiles are often fraught with safety issues involving deaths. 31 people were killed in Model T's first summer on the market! Read the USA Today story about history's deadliest cars [here](#).



### There's an app for that...

**Scholly:** Pairs students with potential scholarships. Includes a Writing Assistant for improving application essays. Available on Google Play and iOS App Store.

DNA may be the way of the future for data storage. Find out more:

<https://www.sciencemag.org/news/2017/03/dna-could-store-all-worlds-data-one-room>





## Whales on the Hunt!

Watch the [YouTube video](#) taken using drones and cameras attached by suction cups to humpback whales to see how they create nets with bubbles to catch prey!

Photo credit: University of Hawai'i at Manoa

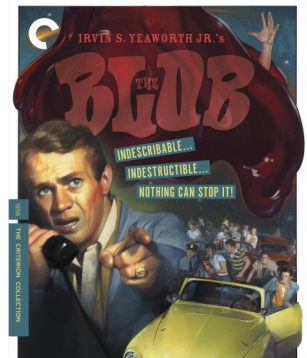
Do you know what **The Blob** is? Yes, it is a 1950's sci-fi movie! But, it's also a new phenomenon scientists are concerned about. The blob is a large volume of ocean water that is experiencing a heat wave. This is one of the many new problems oceanographers are contributing to global warming and climate change. The blob is extremely disruptive as it can contain water as much as 3°C above normal. This warm water allows toxic algal blooms to proliferate, which, in turn, can devastate populations of sea life, including species that the fishing industry relies on. This also causes disruption to the marine food web.

For more on the blob, the environmental crisis, see NOAA's story [here](#).

(NOAA: National Oceanic and Atmospheric Administration.)

For more about algal blooms, see our [September STEAM Newsletter](#)

For more on **The Blob**, the movie, see <https://www.criterion.com/films/630-the-blob>



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## Science History:

Check out **10 Experiments that Changed Everything** in this month's issue of *Discover Magazine*. Read it on our Digital Magazine App: [RB Digital](#).

Or try the book **The Ten Most Beautiful Experiments**, by George Johnson. It's a quick and easy narrative chock-full of historically and scientifically significant experiments! Ringwood Library has this book! Place it on hold [here](#).

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## New Read for Adults...

*The Mosquito: A Human History of our Deadliest Predator*, by Timothy C. Winegard.

A narrative non-fiction on how the tiniest pest has changed the course of history in so many ways. Put it on hold [here](#).

Watch a PBS Deep Look video of how the mosquito bites at <https://youtu.be/rD8SmacBUcU>.



*Remember not to leave empty containers or old tires outside during mosquito breeding season!*

