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*The Rockville Science Center is a 501(c)(3) non-profit organization*

## STEM Programs for All Ages

You can register for Rockville Science Center and Rockville Makerspace classes and programs on our website.

[RSC Website](#)

[Contact Us](#)

## THIS WEEK

### Java Programming Workshop



**Saturdays, 4:00 - 6:00 PM**

**March 8 - April 12**

**Ages 10 - adults**

**Science Center Storefront**

Join us for this 6-week series to learn basic - advanced Java programming skills. No experience is needed. Students will learn core Java concepts, data types, logical operations, and fundamental algorithms, with hands-on coding exercises. Final Project: Building a basic vending machine simulation or cash register application applying variables, conditionals, loops, and arrays in a cohesive project.

**Why learn Java?** Java is one of the most widely used programming languages in

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thinking, and prepares students for advanced STEM fields. With Java, students can create mobile apps, websites, and even game development projects, giving them a competitive edge in school and future job opportunities. Many summer internships and part-time tech jobs require coding skills, and Java is a preferred language for many employers.

[REGISTER](#)

## UPCOMING CROCHET WORKSHOPS AT THE ROCKVILLE MAKERSPACE

**Ages 11 - adults**

**Saturday, March 8**

Octopus Amigurumi

**Friday, March 14**

Whale Amigurumi

**Friday, March 21**

Moon & Star Amigurumi

Every Wednesday, 7:30 - 9:30 PM, is Knitting & Crochet Project Night  
(bring whatever you are working on and come hang out with us!)

Rockville Makerspace, 33F Maryland Ave, Rockville Town Center

### Octopus Amigurumi

Saturday, March 8

4:00 - 7:00 PM

Rockville Makerspace

Participants will learn to make a no-sew octopus combining multiple types of stitches. This workshop is recommended for those who have at least some basic crocheting skills on holding a hook, maintaining tension, chaining, and single crochet. Open to ages 11 & up. Check out our [Makerspace Classes webpage](#) for other upcoming crochet workshops.

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## Rockville Science Tuesday Lecture Series

### "The Development of Reference Materials: A Case Study in Per- and Polyfluoroalkyl Substances (PFAS)"

with **Alix E. Rodowa, Ph.D.**

**Tuesday, March 11, 1:00 - 2:00 PM**

**On Zoom**



Per- and polyfluoroalkyl substances (PFAS), often dubbed "forever chemicals," are immediate contaminants of concern and have been observed in consumer products, consumer byproducts (e.g., dust, wastewater, and landfill leachate), and environmental compartments, including humans and biota. As a result, routine monitoring methods, method development, and commercial analysis of these compounds have become more widely available. In this presentation we will learn about the development of PFAS reference materials at NIST, as well as projects in development now and for the future.

**Our speaker:** Dr. Rodowa's research interests include emerging environmental contaminants of concern. She is a member of the Organic Chemical Metrology Group at the National Institute of Standards and Technology in Gaithersburg, MD.

### REGISTER FOR ZOOM

## Snapshot of Weekly Programs

### Rockville Chess Club: Storefront

Mondays, 6:30 - 9:00 PM

2nd & 4th Fridays, 6:30 - 9:00 PM

Stop by on a Monday or Friday to play and learn about our membership.

### Makerspace Open Hours

Tuesdays, 6:00 - 8:00 PM

Saturdays, Noon - 4:00 PM

FREE & Open to All!

### Crochet & Knitting Project Nights: Makerspace

Wednesdays, 7:30 - 9:30 PM

All ages and skill levels are welcome to be part of our community of fiber artists.

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Stop by to get help on a project or use our 3D printers or vinyl cutter.

### Avatar Learning Center: Storefront

Math - Science - Coding for Grades K - 12

Sundays starting at 10:00 AM. For more info, call 240.274.2003  
or email: [info@avatarmath.com](mailto:info@avatarmath.com)

## COMING SOON

Join us for the 34th Annual  
**Rockville Science Day**  
 Sunday, April 27: Noon - 5:00 PM  
 Montgomery College  
 (Rockville) **FREE!**

### 100 Exhibitors



### Rain or Shine



[Learn More](#)



### Intro to CNC Carving

Saturday, March 15

4:30 - 7:30 PM

Rockville Makerspace

Get ready to dive into the exciting world of woodcarving with a Shopbot CNC machine in a small group of just 1-3 people! Together, we will explore:

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- The basics of Shopbot Desktop operations
- A hands-on skills test where you'll carve a 4"x6" sign

## REGISTER

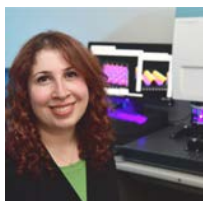
### Rockville Science Cafe Lecture Series

#### "Introduction to Biofabrication"

with Greta Babakhanova, Ph.D.

Tuesday, March 18, 7:00 - 8:00 PM

On Zoom



Dr. Babakhanova's current work is to develop robust standard protocols for measuring cell viability in three-dimensional scaffolds.

**Our speaker:** Dr. Greta Babakhanova is a Physicist in the Biomaterials Group at the National Institute of Standards and Technology. She completed her PhD in Chemical Physics from the Advanced Materials and Liquid Crystal Institute, Kent State University in 2019.

## REGISTER FOR ZOOM



### Numberphiles Math Club

**Sound: Theory and Demonstrations with Jim Rudert, Ph.D.**

**Thursday, March 20**

**7:00 - 8:00 P**

**Science Center Storefront**

Enjoy an evening learning about the nature of sound theory and see demonstrations including harmonic motion, hearing, interference, speed of sound, Fourier's theorem and noise cancellation. Our presenter, Jim Rudert has a PhD in biomedical engineering and retired in 2020 from the University of Iowa's Orthopedic



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Storefront and Makerspace.

*The Rockville Numberphiles is a club for math enthusiasts from middle school to adult (under 18 must be accompanied by an adult). Our interactive discussions and presentations help mathematicians explore the broad range of mathematics, its history, and problem solving. For more information contact Howard at [hjlichtman@lichtman.ws](mailto:hjlichtman@lichtman.ws) or 301.580.7190.*

## RSVP

### Summer Camp Registration



**June 16 - August 22**

**Monday through Friday, 9:00 am - 4:00 pm**

Sign up now for 10 weeks of STEM-tastic learning and fun! The Rockville Science Center has an awesome summer of hands-on learning lined up for kids ages 7-13 and we can't wait for you to be part of it. Each week of camp offers two programs - one in the morning and one in the afternoon. Check out the options below and sign up today!

#### **Week 1: June 16 - 20**

Science Explorers & Engineering Marvels  
Ages 8-12

#### **Week 2: June 23 - 27**

Geology & Marvelous Makers  
Ages 8-12

#### **Week 3: June 30 - July 3 (mini-week)**

Coding/WeDo Lego Robotics & STEM Makers  
Ages 7-11 (\*\***JUST 1 SPOT AVAILABLE!**)

#### **Week 4: July 7 - 11**

Weather/Climate & Robotics Challenge  
Ages 8-13

#### **Week 5: July 14 - 18**

Life Science & Decoding Your DNA  
Ages 8-12

#### **Week 6: July 21 - 25**

[Subscribe](#)[Past Issues](#)[Translate ▼](#)**Week 7: July 28 - August 1**

Science Explorers &amp; Engineering Marvels

Ages 8-12

**Week 8: August 4 - 8 (FULL)**

Coding/WeDo Lego Robotics &amp; STEM Makers

Ages 7-11

**Week 9: August 11 - 15**

RaspberrySTEM - Python Programming &amp; Robotics Challenge

Ages 8 - 12 (**\*\*JUST 3 SPOTS AVAILABLE!\*\***)**Week 10: August 18 - 22**

Decoding Your DNA &amp; Tech Wizards

Ages 8-13

**REGISTER**

## Locations & Parking

The Rockville Science Center has two locations, both conveniently located in Rockville Town Square. **Two hours of free parking** is available in Garages A, B, and C in Rockville Town Square.

**Rockville Science Center Storefront**

36C Maryland Ave

**Rockville Makerspace**

33F Maryland Ave

## About the Rockville Science Center

The Rockville Science Center Inc. is a 501(c)(3) tax-exempt charitable organization that offers people of all ages and backgrounds the opportunity to explore the wonders of science and connect with the scientific community in our region.

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**Street Address:** 36C Maryland Ave. Rockville MD, 20850

**Mailing address:** P.O. Box 1084, Rockville, MD 20849



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