

## Bergen County Clean Communities Program Offerings

### Pre-K to K Programming:

#### Alexandra's Clean Up (Ages: 3-4 yrs.) 30 minutes

What is litter and how does it affect humans, animals, and the environment? We'll discuss all aspects of litter and what we all can do to help keep our environment safe and clean.

#### Aluman the Can (Ages: 4-5 yrs.) 30 minutes

What is recycling and how is it different from throwing out garbage? This program defines the categories of recyclables and the importance of preserving our natural resources. We follow Aluman the Can from being discarded to being recycled into a new can.

#### Recycle Rex (Ages 5-6 yrs.) 30 minutes

Is recycling the same as trash? We discuss items that can be recycled and learn the importance of reusing vs. throwing out. Learn how bulky product packaging adds to our garbage crisis and ways to eliminate excessive waste.

### Mid Elementary to Adult Programming:

#### "Can It" for a Greener Planet—(45 minutes to an Hour)

How long does it take litter to decompose and how does it affect our wildlife? In this program we will learn the ins and outs of litter, its effect on our environment, and what we can do to help. We will discuss the challenges of recycling and learn about the Great Pacific Garbage Patch and our efforts to solve the problem.

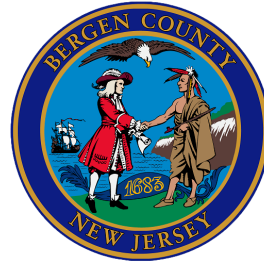
#### Where Does our Garbage Go?—(45 minutes to an Hour)

Have you ever wondered what is a landfill and how does it work? Last year the U.S. produced 268 million tons of garbage making the US one of the leading garbage producing countries. Learn about what a landfill is, how it is managed, and what you can do to help with our garbage crisis. We will also delve into the adverse effects litter has on the environment and explore new recycling restrictions.

**Please contact Joan Wilkinson for more information at:**  
[trainerjw@yahoo.com](mailto:trainerjw@yahoo.com) or call 201-848-1307



# BERGEN NEW JERSEY County



**James J. Tedesco III**  
*County Executive*

### Bergen County Board of Commissioners

**Steven A. Tanelli**  
*Chairman*

**Tracy Silna Zur**  
*Vice-Chairwoman*

**Dr. Joan M. Voss**  
*Chair Pro Tempore*

### Commissioners

**Mary J. Amoroso**

**Ramon M. Hache, Sr.**

**Germaine M. Ortiz**

**Thomas J. Sullivan**

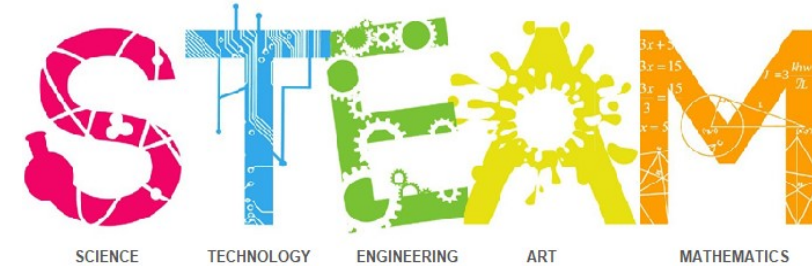
Bergen County Department of Health Services  
Hansel F. Asmar, Director/Health Officer  
One Bergen County Plaza, 4th Floor Hackensack, NJ 07601  
201-634-2600  
[www.bergenhealth.org](http://www.bergenhealth.org)

BERGEN COUNTY  
OFFICE OF ENVIRONMENTAL HEALTH  
ENVIRONMENTAL EDUCATION PROGRAMS  
**S.T.E.A.M** ahead with our dynamic school programs

### 2021 Program Offerings



Registration opens September 6, 2021



**ART + SCIENCE = PROGRESS**



## Educational Program Selections

All programs will be tailored to your grade level, curriculum needs, and time restrictions upon request.

### THE GIVING TREE

*Grades: K-1*

Trees give us shade and food and provide us with oxygen to breathe. Students will learn how to identify a handful of local trees by their leaves. They will take home a leaf rubbing in addition to a journal that will help them to learn about the parts of a tree and how valuable trees are to our planet.

**NGSS:** K-LS1-1, K-LS1.C, K-ESS2-2, K-ESS2.E, K-ESS3-3, K-ESS3.A, K-ESS3.C, 1-LS1-1, 1-LS1.A, 1-LS3-1, 1-LS3.B.

**NJCCCS:** MP.2, K.MD.A.2, W.K.7, SL.K.3, SL.K.5, W.1.8.

### BUSY BEES

*Grades: K-3*

Peek into the world of bees and learn how they make their honey. Students will build their own honeycomb, learn about pollination, and create their own busy bee to take home.

**NGSS:** K-ESS2, K-ESS3, K-LS1-1, 1-LS1-1, 1-LS3, 2-LS2, 2-LS4, K-2-ETS1-2, 3-LS2, 3-LS3.

**NJCCCS:** RI.K.4, K.5, 1.6, 2.4, 3.1, WK.2, W.2.8, W.3.2.A, K.MD.A.1, 2.MD.A.1, 2.MD.A.3, K.G.A.2, K.G.B.5, 1.G.A.2, VA:Cr1.1.Ka, Cr1.2.Ka, Cr1.2.1a, Cr1.2.2a, Cr2.1.Ka, Cr2.1.2a, Cr2.2.Ka, Cr2.3.Ka, Cr2.3.1a, Cr2.3.2a, Cr2.2.2a, Cr3.1Ka, Cr3.1.2a, VS:Cr2.2.1a.

### INSECT INVASION

*Grades: K-3*

Insects outnumber humans by 200 million to 1 and even live on our bodies! Students will learn how to identify insects, including ticks and mosquitoes, and will observe, compare, and describe specimens. Students will also learn how to correctly remove a tick.

**NGSS:** K-LS1-1, K-ESS2.E, 1-LS1-1, 2-LS2.A, 2-LS4.D, 2-LS4-1, 3-LS1-1, 3-LS4-2, 3-LS4-3, 3-LS2.C, 3-LS4.B, 3-LS4.C, 3-LS4.D.

**NJCCCS:** W.K.2, W.K.7, SL.K.3, MP.2, K.MD.A.2, RI.K.1, SL.K.3, SL.K.5, W.1.8, W.2.8, W.3.8, SL.3.3.

### REDUCE, REUSE, RECYCLE FROM THE EARTH TO THE MOON

*Grades: 4-5*

Learn about recycling in the County and what you can do to help in the effort. We will take a look at how recycling has become common practice extending out even to our activities in space! We will also delve into composting and build a soda bottle compost. Soda bottles must be supplied by the students.

**NGSS:** 5-PS1.A, 5-LS1-1, 5-LS2-1, 5-LS2.A, 5-LS2.B, SL.5.5, 5-ESS2-1, 5-ESS2.A, 5-ESS3-1, 5-ESS3.C.

**NJCCCS:** RI.4.3, W.4.7, MP.2.

### WATER, WATER, EVERYWHERE BUT JUST A DROP TO DRINK

*Grades: 5-8*

Water covers 71% of our planet and is critical to life on earth! Students will learn about the processes involved in earth's water cycle and how we can conserve one of the most valuable resources on the planet. Students will use scientific equipment to test the water bodies in Bergen County and build a filtration system. Globe clouds will be introduced.

**NGSS:** 5-PS1-3, W.5.7, W.5.8, 5-PS2-1, 5-ESS2-3, 5-LS1-1, MS-ESS3-3, MS-ESS2-4, MS-ETS1-1, MS-ETS1-2, MS-ETS1-3, MS-LS2-5.

**NJCCCS:** MP.2, MP.4, MP.5, W.5.7, WHST.6-8.7, W.5.2.D, W.5.1.B.

### POLLINATOR POWER

*Grades: 5-8*

Bats, Bees, and Butterflies are important to humans and students will learn about these important creatures and why they are so critical to our food supply. Students will also learn about the challenges that these amazing pollinators face and how they see the world. Students will examine the Sun and the electromagnetic spectrum.

**NGSS:** 3-LS3, 4-PS4, 4-LS1, 5-PS1, 5-LS2, 5-ESS3, MS-LS1, MS-LS2, MS-ESS3, MS-PS4, HS-PS4, HS-LS2.

**NJCCCS:** RI.3.1, MP.2, MP.4, MP.5, W.2.8, W.5.7, WHST.6-8.7, VA:Cr2.

### THE DIVERSITY OF TREES

*Grades:5-8*

Students will venture outside and learn how to identify the trees of Bergen County by engaging in hands on activities. Students will evaluate the trees that they are observing and learn how to correctly identify the coniferous and deciduous tree species that they encounter. Globe trees will be introduced.

**NGSS:** 3-LS3.B, 4-LS1, 5-PS1, 5-PS3, 5-LS1, 5-LS2, MS-LS1, MS-LS2.

**NJCCCS:** RI.3.1, MP.2, MP.4, MP.5, 3.MD.B.4, W.5.7, WHST.6-8.7, 6.SP.A.2, 6.SP.B.4, VA:Cr2.

### ALIVE OR NOT ALIVE

*Grades:7-8*

Investigate the criteria that we use to determine life on earth. Students will also learn about extremophile organisms and exoplanets. We will perform class activities that will challenge your understanding of what it means to be alive.

**NGSS:** MS-PS1-2, MS-PS1-4, MS-PS4 (A,B, &C)MS-PS4-2, MS-PS4-3, MS-LS1-1, MS-LS1- (4, 5, 6, 7, & 8), MS-LS1.A, MS-LS1-1, MS-LS2.A, MS-LS2-1, MS-LS2-1, MS-LS4.B, MS-LS4-4, MS-ESS-2.A.

**NJCCCS:** MP.2, RST.6-8.9, WHST.6-8.7, VA:Cr1.2.7a.

## Presentation Selections

Presentations are 45 minutes followed by Q&A

### BERGEN BITES BACK

Learn about the ticks and mosquitoes that invade our area each year, some of which carry arboviruses. This lecture will provide audiences with the tools that they need to prevent infestations and protect themselves against these vectors of disease. The old wives tales regarding tick removal and disease spread will also be addressed. A tick activity is included in this presentation and the globe mosquito and the globe tick programs will be introduced.

### POLLINATOR GARDEN

Pollinator gardens are a great way to bring communities together, improve mental health, and contribute to making our planet healthier. Our educators will visit your facility to talk about the importance of pollinators. A brief presentation followed by hands-on activities will conclude with participants learning how to plant a pollinator garden using indigenous species of plants and flowers.

### DON'T BE FED LEAD

Childhood lead poisoning is a preventable and detectable issue. An educator from the County will be happy to come to your facility and discuss the potential sources of lead in our homes and environment. We will provide participants with information that will serve to protect themselves and their families against the dangers of lead poisoning.

### MOON 2024

Earth's Moon is critical to life on earth and has been a source of wonder and awe for generations. This lecture will illuminate the role that earth's moon plays in the dynamic processes of the earth, such as the tides, and reviews humanity's efforts to research our satellite. The Artemis mission scheduled to land on the Moon in 2024 will be discussed.

### TO SCHEDULE A PROGRAM OR PRESENTATION PLEASE CONTACT

Laura Jean Checki  
Environmental Specialist Educational Programs  
201-336-7287  
lchecki@co.bergen.nj.us



### Students with Disabilities:

We seek to ensure that all of our programs are accessible to individuals with disabilities and will accommodate any special requests.

Program topics not listed here may also be requested.