



Somerset County 4-H Presents



# 4-H Science-sational Day

April 1, 2017

(Register by March 17)

9:00 am—1:30 pm

Ted Blum 4-H Center, 310 Milltown Rd, Bridgewater

**A Day of Fun Science Workshops  
For Grades 1 - 5**

Youth in grades 1-5 are invited to explore new ideas, put their designs to the test and discover a new love for science.

### ScienceTellers Presents: Race Against Time

Join us as we make things fly, spin, move & soar while telling a series of stories that will energize you! Get ready to experience the science of action & reaction by telling stories using several exciting hands-on experiments that will have the audience laughing, learning & having fun.

### Be a Scientist! Hands-on Workshops

Each workshop track offers participants hands-on experiences that explore science concepts. Topics include: biology, chemistry, engineering and so much more! All workshops are taught by volunteers with a passion for sharing their love for science with youth.

**TO REGISTER:** [Somerset County Sci-Day](#)



**RUTGERS**  
New Jersey Agricultural  
Experiment Station

Cooperating Agencies: Rutgers, The State University of New Jersey, U.S. Department of Agriculture, and County Boards of Chosen Freeholders. Rutgers Cooperative Extension, a unit of the Rutgers New Jersey Agricultural Experiment Station, is an equal opportunity program provider & employer.

# What is 4-H Science-sational Day?

4-H Science-sational Day is a fun day of science learning for children in grades 1-5 presented by the Somerset County 4-H Youth Development program. Youth will attend an entertaining and engaging program presented by ScienceTellers and then split into groups by grade level (grades 1-3 or 4-5) to participate in hands-on workshops that allow them to learn about a variety of science topics.

- The program will be held on Sat., April 1, 2017 at the Ted Blum 4-H Center, 310 Milltown Rd., Bridgewater, NJ.
- Cost per child is \$25.00. Family discount: First child is \$25, each child thereafter is \$20. Parents are FREE.
- Lunch **MUST** be brought from home.
- Check-in starts promptly begins at 9:00 AM (no need to come early).

\* A parent/legal guardian **MUST** sign the child in and out of the program. If someone other than the parent/legal guardian is to take the child home, a note from the parent must accompany the child at check-in.

\* Children may not leave the program **early** unless a parent/legal guardian signs them out.

- **Register *online at*** [Somerset County Sci-Day](#)
- **Checks should be made payable to Somerset County 4-H.**

**Please note:** Pictures are taken throughout the day to be used for display and promotional materials. By allowing your child to attend this program, you acknowledge permission to use photos for display and promotional purposes.

## Tentative Schedule for Science-sational Day

Check-in & Science Fun.....9:00-9:30 am	Lunch Break & Fun.....12:00-12:35 pm
Opening Program.....9:30-10:20 am	Workshop #3/Evaluation.....12:40-1:20 pm
Workshop #1.....10:30-11:10 am	Everybody Meet in Gym..... 1:20 pm
Workshop #2.....11:15-11:55 pm	Day is Done ..... 1:30 pm

## What is 4-H?

4-H is a youth development program that works with youth all across America. In New Jersey, the 4-H program is open to youth in grades K-13 (one year out of high school). In Somerset County, youth may be involved in more than 75 different 4-H clubs, after school activities, school enrichment and camping programs.

Each summer, the Somerset County 4-H Association holds the Somerset County 4-H Fair at North Branch Park in Bridgewater, NJ. This Fair is an opportunity for youth to display the projects they have been working on throughout the year, take on leadership roles, and have fun.

4-H is part of Rutgers, The State University's New Jersey Agriculture Experiment Station. 4-H offers educational programs to all youth in grades K-13, on an age-appropriate basis, without regard to race, religion, color, national origin, ancestry, sex, sexual orientation, gender identity and expression, disability, atypical hereditary cellular or blood trait, marital status, domestic partnership status, military service, veteran status, and any other category protected by law.



# Be the Scientist!



Each youth selects one of the following workshop tracks to attend, based on grade level. Parents are invited to attend. All workshops are taught by volunteers.

## 1<sup>st</sup>-3<sup>rd</sup> Graders

### Track A

#### **Frogs, Lizards, Snakes, Oh My!**

Explore and discover some interesting facts about reptiles and amphibians. The 4-H Sidewinders Herpetology Club will present a live demo and talk about their various cold blooded pets.

#### **That Makes Sense!**

Can you really tell the difference between sweet and sour? Can you feel the difference between hard and soft? Can your eyes see through an optical illusion? Learn about your 5 senses and see if a rose really does smell like a rose!

#### **Try It - Fly It!**

Make your own glider and learn how to fly it and land it on a simulated runway. You will learn lots of facts about airplanes! Presented by the Broken Props Model Airplane Club.

### Track B

#### **Alpaca-ology**

Just what is an Alpaca? Come meet and greet them and get to feel their fiber. Learn about them as you get to do a craft that you can take home. Presented by the Alpaca Club.

#### **Colder Than Ice**

Learn the differences between dry ice and water ice. Which is colder? Which freezes faster? Which will inflate a balloon, sing, extinguish a candle, make foam and more? Presented by Colgate-Palmolive

#### **Simple Machine Science**

Put down your phones and tablets; it's time to go old-school! Learn the 6 types of simple machines used by humankind for thousands of years! Try each machine and see how they make work easier, and allowed structures to be built before bulldozers, cranes and electricity.

## 4<sup>th</sup>-5<sup>th</sup> Graders

### Track C

#### **Squid-tastic**

It's time to sharpen your scissors! In this workshop, we'll be dissecting a real squid! Work with your partner to learn squid anatomy and possibly use squid ink to write something.

#### **Playing with Physics**

A long time ago, the Chinese yo-yo was born from hourglass shaped bamboo, balanced and spun on a string tied between two sticks. Come learn the science behind this ancient toy and learn a few gravity-defying tricks yourself! Presented by the Chinese Cultural Club.

#### **Cabbage Chemistry**

In this colorful experiment, we'll explore acid-base chemistry. Can you predict which household materials are acidic and which are basic? In this workshop, you'll learn the "basics!"

### Track D

#### **Squish, Splat, Slime**

Explore the three states of matter, learn about polymers and make slime you can take home.

#### **Science You Can Eat**

Can you put ice cream in the oven and keep it frozen? With the help of a secret ingredient, you can. Learn the science behind Baked Alaska, a magical treat that is both hot and cold at the same time. Discover how it's possible to make your own version of this unique dessert. **\*\*Food allergy alert!** We will be baking with and consuming eggs in this workshop

#### **Archery**

Use bows and arrows to understand the safe and responsible use of archery equipment at home and on the shooting range. Presented by the On Target Archery Club.

**Space is limited to the first 150 participants!! Register early!**