



Somerset County 4-H Presents



4-H Science-sational Day

April 14, 2018

(Register by March 23)

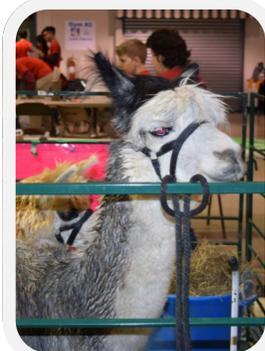
A Day of Fun Science Workshops
For Grades 1 - 5

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

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: goo.gl/28hXY1



Science Tellers Presents: Tall Ships & Pirate Tales

Ahoy! People don't just build on land. They build on water, too! Set sail with us on a thrilling action-packed adventure about a crew of quirky pirates marooned on a deserted island. With mutiny and high-tide looming, they must rescue their salty captain and find a way to construct a ship before all hope is lost ... at sea! Planks, sails, rigging, rails... what else could building a pirate ship possibly take? Throughout the story, volunteers from the audience will help us explore the incredible science behind clouds, flash paper, air pressure, inertia, explosions and more. Don't miss this refreshing nautical tale with a twist!

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 Science Tellers 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 14, 2018 at the Ted Blum 4-H Center, 310 Milltown Rd., Bridgewater, NJ.
- Cost per child is \$25.00. Parents are FREE.
- Lunch **MUST** be brought from home.
- Check-in starts 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: goo.gl/28hXY1

- **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.

1st-3rd 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.

Right Before Your Eyes

You can't always believe what your eyes tell you. In this workshop you will explore vision, color, and perception to learn how our eyes can trick our minds. So don't blink, your eyes might be playing tricks on you!

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 make a craft that you can take home. Presented by the Alpaca Club.

Track B

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 4-H Broken Props Model Airplane Club.

It's So Fluffy!

Have a meet and greet with our furry critters! Get hands on experience with rabbits, guinea pigs, and other small animals. Run a rabbit agility course and create crafts and games with our new fluffy friends from the 4-H Small Animal Clubs.

Tooth vs. Acid

The battle begins here! Work with the Colgate team to make toothpaste and conduct experiments to show how toothpaste protects your teeth from acid attack.

4th-5th 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.

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 4-H On Target Archery Club.

Through the Eyes of the Animal

Look at how animals see the world around them, and how they think/perceive things which may affect them and why. Put your knowledge to the test, and create a system to get your animals (hexbugs) from the "field" to the "barn."

Track D

The Science of Yoga

Learn the science and physiology behind the asanas. Take home practices that you can do every day on your own and increase your wellbeing.

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.

pH Mysteries

What is an acid? What is a base? Conduct experiments to test various substances to figure out what this chemistry is all about.

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