

20. **Spaghetti Towers**— Hands on learning in the technology lab. *Presenter, Mr. Justin Maleszweski, SCS Tech Teacher*
21. **How Small is Small**—*Presenter, Mrs. Donna Wissenbach, SCS Math Teacher*
22. **Making Silicone Wafers**—Learn how disks are made in the clean rooms of factories and make your own. *Presenter, Erika Robert, SCS Math Teacher*
23. **Basics of Electricity**—After participating in the “Basics of Electricity” programs, students will be able to identify how electricity is produced, know the source of energy, and will have learned about the transmission and distribution of electricity and will understand how the hydroelectric power is produced at our Blenheim-Gilboa facility. Topics covered include atomic structure, electric current, static electricity, magnetism and how motors and generators work. *Presenter, New York Power Authority*
24. **Curve Sketching**— Learn how to draw circles and other curves using lines and a little math. *Presenter, Tracy Smith, CRCS, NYS MTP*
25. **“It’s Alive”** - Have you ever wondered what makes cakes fluffy and light or causes bread to rise? We will play around with different leavening agents, as well as cultures like yeast and yogurt. There will be “food” samples to test the different types. *Presenter, Marion Burghart, SCS library media specialist*
26. **Bodies in Motion**—Find different ways to look at human movement through the principles of bio-mechanics, kinesiology, and exercise physiology. *Presenter, Nicole McBride, MS, OTR/L*

Please report to the High School Cafeteria on Friday, February 2nd right after school. You will get a name tag with the three (3) activities you will be participating in along with snacks in a bag. The Duanesburg students will board a DCS bus that will bring them to the SCS campus. All students will finish their activities by 5pm. Parents need to pick up students between 5:00—5:15pm in front of the cafeteria.

SCS STEAM COMMITTEE'S SIXTH ANNUAL STEAM FUN NIGHT

FEATURING MATH,
SCIENCE AND
TECHNOLOGY: OVER 25
ACTIVITIES TO
CHOOSE FROM!!



SCS welcomes
all Duanesburg
students grade
4 through 8!

FRIDAY
FEB. 2
AFTER
SCHOOL
TO 5:00



1. **Treating Fractures**—Read X-Rays and make real splints!
Presenter, Ms. Megan Loucks, PA Columbia Memorial Hospital
2. **Robot Bowling**—Join us as we program Dash robots to knock over as many bowling pins as possible using measurements, problem-solving and coding. *Presenters, Mr. Colin Strainge and Ms. Hilary Dee, NERIC*
3. **Twisted Twister**—Play a crazy game of twister with shapes.
Presenter, Mrs. Donna Wissenbach, math teacher, SCS
4. **Mirror, Mirror on the Wall** —Can you draw 1/2 of a perfect picture? You know the doodle of a face with one perfect eye/ear and then not be able to match the other side.. Or the picture of the heart that becomes lopsided. This session will focus on completing the perfect picture. We will talk about reflections in the real world and how to draw a perfect picture.
Presenter, Mrs. Jamie Davis, math teacher, SCS
5. **A Slimy Measurement**— Slime: Interested in creating a long chain of molecules from everyday items that will provide hours of gooey fun? *Presenter, Mrs. Cheryl Rogers, science teacher, SCS*
6. **Computer Programming**—Create your first really cool computer program. *Presenter, Ms. Jennifer McClure, business teacher*
7. **Lego Robotics** —Students use basic programming and problem solving strategies to guide a robot through a challenge course. Ready, set, robot! *Presenter, Mr. Jimmy Burns, Schoharie Mohawk Initiative for Science and Technology*
8. **Paper Circuit**—Create an interactive greeting card by building an electric circuit on paper! *Presenter, Mr. Walt Silva, Schoharie Mohawk Initiative for Science and Technology*
9. **Thin Films**—Investigations with soap bubbles to explore some math features of a sphere in its natural environment. *Ms. Kelly Fahrenkopf and Ms. Mary Ann Nickloy, NEATEC*
10. **What is Nano Science?**—Understanding how size can affect the properties of materials using tablets. *Presenter, Ms. Kelly Fahrenkopf and Ms. Mary Ann Nickloy NEATEC*
11. **Nano Sand**—Compare the properties of regular play sand and the hydrophobic sand, how and why would it be used.
Presenter, Ms. Kelly Fahrenkopf and Ms. Mary Ann Nickloy NEATEC
12. **Ultra Violet Rays and Opacity**—Using UV Color Changing beads, students will see the power of UV radiation from the sun and how the opacity of different materials relates.
Presenter, Mary Ann Nickloy, NEATEC
13. **Build A Roller Coaster**—Create your own ride using pipe insulation, tape and marbles then explore potential energy, kinetic energy, and momentum. *Presenter, Ms. Cheska Robinson, SCS science teacher*
14. **Amazing Modern Materials**— How does a magnetic liquid behave? How does temperature impact the color of liquid crystals? Can a wire remember its previous shape? These are some questions students will explore in this session. Students will observe the fascinating properties of several amazing modern day materials including ferrofluid, liquid crystals and/or Nitinol wire. *Presenter, Dr. John Styles, SCS science teacher*
15. **Spheros SPRK+** —Beginner and Intermediate programming using an app—enabled robot the size of a baseball. *Presenter, Joe Powers and Ray Siegrist, NYSMTP*
16. **Human Spriograph**—DaVinci's Vitruvian Man!! A gross motor activity testing DaVinci's measurements and reproducing the image life sized. *Presenter, Jean Scofield, SCS art teacher*
17. **Snowflake Symmetry**—What do symmetry, angles and snow have in common? Find out by participating in Snowflake Symmetry where you'll use craft sticks, protractors, and your creativity to design snowflakes. *Presenter, Melissa Montague, SCS STEAM teacher*
18. **Science is Magic**—*Presenter, Mr. George Vosburgh, SCS science teacher*
19. **Bridge Engineering**—Students will be using a 3D Bridge Model with computerized sensor to test load capacity. *Presenter, Mr. Bill Darling and Damian Loucks, HVCC*