

JANUARY 15, 2018 >> TO REGISTER ONLINE, CLICK [HERE](#).

- ▶ **Classes for boys & girls Grades 1st through 9th January 15, 2018. 9:00 AM - 5:00 PM. Morning sessions run 9:00 AM to 12:30 PM, afternoon sessions from 1:30 to 5:00 PM and full day from 9:00 AM to 5:00 PM with a supervised lunch from 12:30 to 1:30 PM. We offer a grace period of 30 minutes with drop off starting at 8:30 AM and pickup until 5:30 PM with no special arrangements or extra charges. For \$5 per half hour per child per day, we can accommodate earlier drops and later pickups upon request.**
- ▶ **Classes will not repeat projects so two half day camps can be combined for a full day.**
- ▶ **For your convenience, you may pay by credit card either on-line or at Newton's Attic, however, to help us reduce credit card processing fees, you can choose to pay by check (or cash) on the first day of class. Thank you! Our Tax I.D. for your Flexible Spending Accounts is 52-2115824.**
- ▶ **Please send a sack lunch with your child if s/he is staying all day. Additionally, we sell bottled water, soft drinks and snacks or you may send your own. We provide a refrigerator, freezer, toaster oven and microwave for your convenience. Parents are welcome anytime, and we offer wifi and a lounge.**
- ▶ **We are located at 4974 Old Versailles Rd. on the corner of Versailles and Old Versailles Rd. From Lexington, take Versailles Rd. toward the airport and travel 1.6 miles past Man O' War to a left onto Old Versailles Rd. We are your first left just before the Carpet Barn in an olive green building in a gravel lot.**
- ▶ **[Sign up for our e-newsletter](#) to receive complete information on our afterschool and weekend classes, summer camps, scout programs, and birthday parties.**

Goldie Blox and the Three Gadgets (Girls Only!)

Grades K-3rd

Half Day, Afternoon • 1:30 PM–5:00 PM • Cost: \$45

This girls-only class incorporates GoldieBlox, an award winning book series and construction set starring Goldie the girl inventor, developed by Stanford-degreed Mechanical Engineer, Debbie Sterling. GoldieBlox taps

into girls' strong verbal skills and uses a story-based construction set to explore concepts such as the wheel and axel, belt drive, the hinge and other engineering concepts all while building spacial skills and confidence in problem solving. True to Newton's Attic, we will expand on the program by teaching basic tool use and further developing the engineering skills by having the girls build projects in the shop that reinforce the concepts in the construction sets. The girls may keep the projects they build in the Newton's Attic shop. For more information, visit <http://www.goldieblox.com/>.

Jr. Apprentices

Grades 1st-3rd

Half Day, Afternoon • 1:30 PM–5:00 PM • Cost: \$45

Hand tools, saw dust, wood, metal and plastic are just some of the things kids will get their hands on and learn to use in this very creative camp. At the beginning of the week, students will be instructed on the safe and proper use of tools as well as how things are built. Then, participants will begin making projects ranging from wooden puzzles, games and toys, model rockets, and household items to other larger projects like collapsible castle forts and geodesic domes. When finished with one project, campers will move onto another. Students will be working with tools and will be closely supervised throughout the week. Small class size insures personalized instruction. There will also be other periodic activities such as recess and game time, snack time, quiet time and other fun science related activities to break up the day.

Kerbal Space

Grades 5th and Up

Half day, Morning • 9:00 AM–12:30 PM • Cost: \$45

Grades 3rd -5th

Half Day, Afternoon • 1:30 PM–5:00 PM • Cost: \$45

Just about everyone has heard of Minecraft, but there is another computer game phenomenon that is just as much fun and much more educational. It's called Kerbal Space Program, and its popularity is skyrocketing. In this computer based camp, students will learn how to use the game software to create and manage their own

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mini-space program. They construct virtual rockets, launch them into orbit and attempt to do a variety of NASA like activities like dock with a space station, land on the moon, or attempt to mine an asteroid. Although this is a computer game, playing it is not as whimsical as one would think. Students must learn and apply some basic physics, math, engineering and even a little orbital mechanics as they attempt to become virtual test pilots and astronauts. It's not just a kid's computer game, it actually IS rocket science.

Kiddie Chemistry

Grades 1st-3rd

Half day, Morning • 9:00 AM–12:30 PM • Cost: \$45

Formulated for the youngest of Newton's Attic participants, Kiddie Chemistry offers all the fun of our older kids' chemistry camp tailored to 1st through 3rd graders. Bubbling potions, flash paper experiments, glow in the dark liquids and other mystifying phenomena will be the reaction products in this fun and stimulating excursion into the world of kitchen chemistry. So kids, prepare to get out the lab equipment and be ready to avoid those fumes (just kidding) because Kiddie Chemistry is going to be just the right mix of fun and learning.

Maker Mania

Grades 5th and Up

Half day, Morning • 9:00 AM–12:30 PM • Cost: \$45

Half Day, Afternoon • 1:30 PM–5:00 PM • Cost: \$45

This program is for students with varying levels of experience using tools and building projects. This structured, supervised class introduces students to the engineering process and hand and power tool use. Students work in the shop on predesignated, age-appropriate projects for the duration of the class. No experience is required, but students must be able to exercise self-discipline and some amount of self-reliance. Please make sure your child is interested in and comfortable with learning to build projects and use tools before registering him or her for this class.

Minecraft Mod with MCreator

Grades 3rd-5th •

Half day, Morning • 9:00 AM–12:30 PM • Cost: \$45

Grades 5th and Up •

Half Day, Afternoon • 1:30 PM–5:00 PM • Cost: \$45

By popular demand, we have adapted the Minecraft Mod class to include revisions to the curriculum to allow students as young as 8 to join in. The students will be introduced to MCreator, a code-generating program that is used to make modifications without programming knowledge. The class will teach students to work with the code of other developers and to read and decipher preexisting code, a common practice in the software development field. No previous programming experience is required, but students must have a Minecraft account prior to joining the class. If students would like to work on code outside of class, they should bring a flash drive.

Mini Robots - Mega Fun

Grades 3rd-5th

Half day, Morning • 9:00 AM–12:30 PM • Cost: \$45

Half Day, Afternoon • 1:30 PM–5:00 PM • Cost: \$45

The toy designers at the Attic have created a fleet of notebook sized remote control robots on which teams of students can build a variety of mechanisms and constructs to engage in numerous activities. In this camp, each student will be assigned his or her own mini-bot platform to use for the week. Each day the class will be presented with a new competitive challenge to be completed during that class period. Players will engineer and construct gadgets to accomplish these challenges, attach their inventions to the robots and then engage in competitive events using their inventions. Trophies will be awarded to the winner of each daily challenge, but the real prize will be the fun and learning that goes on in this highly creative, engineering intensive class.