

Adventures in RoboRealm Robotics	3-6
Do you enjoy the excitement of robotics competitions? Would you like to learn how to build and program a VEX Go robot to compete in a mini-Robotics Competition? In this course you will learn how to build and modify a VEX Go robot to complete tasks on an Ocean Science Exploration field or a Mars Math Expedition field. This course will culminate in a VEX Go robotics competition which will be viewed by friends and family.	
It's a Brain Thing	3-6
We will explore the most amazing machine in the world, the human brain! We will learn how it is structured, how it communicates, how it learns, and how it drives each of us to do what we do. Learn how we learn, why we forget, how we perceive and interact with the world around us. Does the appearance and color, of our food affect its taste? Can you quickly train someone, or be trained to do a simple task? See how you can maneuver through obstacles without using sight. Can memory techniques and understanding different learning styles make you smarter? Come and let's explore our brains!	
Public Speaking	6-9
Public speaking is a life skill, and kids need to learn these communication skills from a young age. Practicing public speaking through games and activities makes speaking and listening fun.	
Discover, Design, Print: Introduction to 3D Printing	
We will be recording and critiquing ourselves speaking on a variety of self-chosen topics!	3-6
Students will learn how to use an online platform to introduce them to the world of 3D printing. Students will have the chance to create and print their own 3D designs.	
Amazing Animals	3-6
Discover some of the amazing talents that animals possess. Immerse yourself into an animal's perspective through hands on experiments. Have you ever wondered how artic animals stay warm? Discover the incredible camouflage of an Octopus and learn how the crow can actually act like they are your friend!	
Robot Revolution: Create and Collaborate!	3-6
Join us for an electrifying session where students will embark on a thrilling adventure into the realm of robotics using the innovative VEX IQ kits! Through dynamic hands-on activities, students will unlock the secrets of robotics, programming, and engineering principles. They'll team up to unleash their creativity as they design, build, and program their very own robots! This is not just a class; it's a journey of collaboration, imagination, and discovery! Let's ignite the passion for technology and innovation together!	

4 T's Time Machine	3-6
Come with us as we hop in our 4 T's time machine. We will travel back to explore our home, Horry County, in days gone by. You will complete an archeological dig of the past as we experience Native American culture along the Waccamaw River through pottery. We will discover the role of Peter Horry and the patriot soldiers in America's defeat of the British on the road to gaining our independence. Experience the aspects of daily life in colonial South Carolina by making homemade indigo dye and writing with a feather quill. We will learn about Horry County's flourishing flora (plant life) and fauna (animal life) that live in and around the Carolina Bays. We will reconstruct skeletons to dive into the Carolina ecosystem! We will check out Horry County's historical timeline for our local economy: turpentine, timber, tobacco and tourism to create our own tourist attraction! Come with us, let's explore!	
I Can't Resist Painting	3-6
Students will have the opportunity to experiment with paint and the effects of paint blocking media on paper and canvas. Sometimes there's an attraction and sometimes there's a resist. The results are unique to each painting. Students won't be able to "resist" the mixed media painting techniques and colorful results.	
History's Mysteries	3-6
Was the "Lost Colony of Roanoke" really lost? Where is Theodosia? Was she lost anywhere near Blackbeard's ship? How did Amelia Earhart's plane disappear without a trace? Was the World War I ship, the USS Cyclops, stolen or did it sink? Can you solve the wartime mysteries behind the creation of Frisbee, Silly Putty, and the Slinky? How was Teddy Roosevelt saved from an assassin's bullet? Bring your best detective & inference skills and be prepared to think critically as we delve into History's mysteries.	
Inventors of Tomorrow: Explore Circuits with Makey Makey and Scratch!	4-6
Join us for an exciting session where students will explore electrical circuits and programming! Participants will learn the basics of circuits using Makey Makey kits to create simple circuits with everyday conductive materials. They will then program engaging projects in Scratch, applying their knowledge to create fun interactive experiences. This hands-on session is ideal for young innovators—no prior experience needed, just bring your curiosity and enthusiasm!	
Stop Motion Animation	5-8
Have you ever wanted to design your own character while learning graphic art techniques and stop motion? This class will lead students through the steps of designing and painting their own characters on foam board then adding an integrated button activated paper circuit. Students will use graphic design techniques to create an advertisement to explain their creation. Students will bring their characters to life by using stop motion animation to create a short video of the characters in motion!	

Designing Websites: Technology Here We Go!	5-8
In our world today, technology has become a part of almost every aspect of our lives. In this class, students will learn how to create and maintain their own website; just one way we can organize and share information in our global society.	
MORE History's Mysteries	5-8
Was the "Lost Colony of Roanoke" really lost? Where is Theodosia? Was she lost anywhere near Blackbeard's ship? How did Amelia Earhart's plane disappear without a trace? Was the World War I ship, the USS Cyclops, stolen or did it sink? Can you solve the wartime mysteries behind the creation of the Frisbee, Silly Putty, and the Slinky? How was Teddy Roosevelt saved from an assassin's bullet? Bring your best detective & inference skills and be prepared to think critically as we delve into Histories mysteries.	
It's a Conspiracy!! OR IS IT ??	5-8
Do you believe in UFO's? What was going on in Area 51? Did the US actually land astronauts on the moon, or was it staged? When John F. Kennedy was assassinated, did Lee Harvey Oswald act alone? What were the connections between Abraham Lincoln and John F. Kennedy? Throughout history, conspiracy theories have flourished. In this class, we will examine and debate some of the greatest conspiracy theories in American history.	
Summer Scholars Escape Room	5-8
Will you be able to "break out" of the class within a certain amount of time? You can if you collaborate and use the clues left around the classroom! Students will practice escaping from both digital and physical escape rooms. Students will either create an escape room as a class for others to break out of within the allotted time or by escaping out of a final room.	
CSI: Myrtle Beach	5-8
Students will investigate a crime scene, which includes the untimely demise of Ms. Petunia Wilson. We will collect and process the evidence and come up with a recommendation for the Myrtle Beach CSI about who committed the crime.	
Criminology	6-9
Students will learn and investigate how to secure and process a crime scene. Some CSI basics will be covered such as: crime scene sketching, vandalism analysis, science of arson, DNA technology, fiber evidence and analysis. This crime scene will include a collection of three crimes that will be solved by our junior CSI's.	
Advanced I Can't Resist Painting	6-11
This is a class for students who have some experience with painting and would like more practice using resist materials. Will there be an attraction? Can you resist painting again? Come join the painting fun.	

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Atoms, Molecules and Compounds OH MY!!	6-11
Join us on an exciting journey into the microscopic world of atoms! Summer scholars will discover the building blocks of everything around us. Through hands-on activities, fun experiments, and creative projects, students will learn about the amazing structure of atoms, the magic of molecules, and the wonders of the periodic table. Get ready to shrink down and explore how these tiny particles create the big world we live in. Let's uncover the secrets of science together and become atomic explorers!	
Weather to the Extreme	6-11
Are you fascinated by weather phenomena? Embark on a journey where you can see natural disasters from behind the scenes. We will be learning the science behind severe weather and even re-creating simulations in a science lab.	
Extreme Robotics and Engineering	6-11
Students will construct, code and compete with Vex V5 robots on the official playing field. Future engineers will build draw bridges with functional motors that will be built according to specifications and budgets.	
Work It! Young Engineers Get the Job Done	4-6
Get hands-on with the basics of engineering and experiment with simple machines and basic structures that help us get the job done! Scholars will create catapults, marble runs, cars, and more. Students will study, build and race cars, compete to transport loads using pulleys and levers, and design and build a contraption to accomplish a job of their choice.	