American Girl - Grades 2-4

Would you like to take a look inside the lives of some of the American Girls? In this course, we will watch American Girl movies, learn about some of the different eras in American History through a booklet that each girl will receive and complete, read some of the books from the American Girl series, and make crafts. Dolls we will learn about include the Beforever Dolls, Wellie Wishers, Girl of the Year, and the Contemporary dolls such as Tenney Grant, Logan Everett, & Z. Yang. You don't want to miss this fun week of learning about these American Girls!

Are You A Lego Engineer? - Grades 1 & 2

Are you and Engineer? What about a movie producer? What about a Lego FUNactic? If you love building with Legos and want to create a Lego movie this would be the perfect challenge to come and enjoy this summer. Students will create a storyline using collaborative planning within groups. In addition, students will make their storyline come to life by engineering a staged Lego setting with mini character figures to play out their script. Who knows your movie may be the next You Tube summer hit!

Construction Crew! - Grades 3-5

Are you a creative kid that enjoys math, engineering, and art? Does a trip to Home Depot, the smell of wood, and DIY projects motivate you? Come join the Construction Crew, where you will learn to safely use hammers, nails, and rulers to build creative wooden projects. We will sketch, discuss designs, build, and decorate our constructions. You will be able to bring your creations home to enjoy, and will have the knowledge to teach others. This class brings building with real tools to life this summer! *Possible field trip

Digital Coding and Videogame Design - Grades 4 & 5

Are you a technology lover? Do you love to play videogames? Then this course is for you! Calling all gamers who want to learn how to create their own game! In "Digital Coding and Videogame Design" you will learn about the basics of creating your own videogame. You will learn about digital storytelling, creating your own characters, plan out your levels, and make your game come to life by using code. We will be using Scratch as our main platform, but you will also be introduced to many different websites and apps to use. Come and join our course and learn how to code your very own game!

Dog Pound 1 – Grades 2 & 3

Dogs are very special creatures who can be more than just a household pet. We will explore the various dog breeds according to the American Kennel Club. A breed's strength/weaknesses which allows any future dog owner to be well informed about what each dog is known for. You will learn the hidden language that dogs use to communicate with each other and humans too. Ever wondered about the difference between a service dog vs a therapy dog? Then sign up for this class. You will learn about "calming signals" that dogs use. How do dogs learn? How can you teach your dog all kinds of fancy tricks? Dogs can even learn to "Dab" and dance. Even older or better known as "senior" dogs can be thinking dogs and learning dogs. Get ready for some actual training experiences too.

By participating in this course you will learn about the positive dog training model and get to interact with pre-approved dog/dogs to take your training on the road. *Possible field trip

Dog Pound 2 – Grades 4 & 5

Dogs are very special creatures who can be more than just a household pet. We will explore the various dog breeds according to the American Kennel Club. A breed's strength/weaknesses which allows any future dog owner to be well informed about what each dog is known for. You will learn the hidden language that dogs use to communicate with each other and humans too. Ever wondered about the difference between a service dog vs a therapy dog? Then sign up for this class. You will learn about "calming signals" that dogs use. How do dogs learn? How can you teach your dog all kinds of fancy tricks? Dogs can even learn to "Dab" and dance. Even older or better known as "senior" dogs can be thinking dogs and learning dogs. Get ready for some actual training experiences too.

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*Possible field trip

Natures Super Heroes! - Grades 3-5

Did you know that Mantis shrimps are mere inches long but can throw the fastest punch of any animal, as powerful as a 22 caliber bullet or that the Chinese hornet wasp can make electricity? Why is Spiderman so powerful? Come and find out about how scientist are studying biomimicry and copying the amazing powers of animals to help solve human challenges that help preserve the environment. We will have fun with hands on activities that help us learn about and appreciate the amazing structures and functions of animals. From the creation of Velcro to blades of a helicopter, nature has provided humans with ideas for some of our most innovative technology.

Funology - Girls Only - Grades 3-5

Calling all girls! Polymers, Bubbles and Rockets, oh my! Come explore the fun side of science. We will explore the properties of polymers while creating high bouncing balls and slime. See whose film canister rocket can shoot the farthest and see what it's like to be inside a bubble. Explore the states of matter while we make ice cream. Create your own solar oven and make S'mores. The scientific method was never so much fun. We will also learn about some famous women scientists and what they were like as young girls.

Myths & Challenges Busted - Grades 3-5

Have you ever wanted to design an insect that lights up or, drop an egg without it breaking? What about making your own playdough or, creating your personalized tie dyed shirt? You will blow up Coke bottles and make yourself sweeter with a s'more made from a solar oven! This course will test your myth knowledge and grow your mind with science challenges. Join Myths & Challenges Busted!

Searching for Answers CSI in action – Grades 3-5

Crime Scene Investigators (CSI) are needed for this class. Do you like to investigate by collecting clues, analyzing information, and using your math skills? We need all 3rd -5th graders that are interested in becoming a Crime Scene Investigator to complete and submit your application as soon as possible. Be prepared to travel to another country and investigate 6 scenes to solve a crime. If you think you are not ready for this job, don't worry, we will have experts to come and train you for the job. This job will include a tour of the court house and possibly meeting and speaking to a judge. *Possible field trip

Unicorns, Dragons, and Magical Creatures - Grades 1-3

Spend an exciting week using your imagination while you learn about fantastical, make-believe creatures. During our time together you will learn about magical creatures across cultures and from around the world. Throughout the week you will be inspired to create your own imaginary character with magical powers and a personality all of its own. You will have the opportunity to design and build your creature, dramatize an original story, and perform a puppet show. Our time together will truly be MAGICAL!!!

Where Science Meets Art - Grades 3-5

Calling all artists! Do you enjoy a productive challenge and using your imagination? Are you looking to make the world a more beautiful place by way of recycling and the art-making process? If so, then this is the course for you. Join us for a week of investigation and creativity as we make original, one-of-a-kind recycled sculptures out of everyday discarded items. All you will need is your imagination and a drive to think outside of the box. If you participated in last year's class, and are interested in attending again, we will be creating new and exciting projects, including a group project to be on permanent display in the garden area at Chestnut Mountain Elementary.

You're Going to "Dig" this - Grades 1-3

You are really going to "dig" learning about rocks, minerals, and fossils in this class! First, you will learn how to identify minerals by identifying their properties through hands on experiments. Then, you will learn about the three types of rocks through activities like making volcanoes and edible rocks. We will explore various uses of rocks and minerals along the way as well. Finally, you will take on the role of paleontologist and explore the exciting world of fossils. You will be involved in an excavation in which you will use authentic methods and tools to uncover ancient remains buried in the earth. You will even make replicas of several types of fossils to add to your fossil collection. I hope you "dig" it! *Possible field trip