Science Pups (4-5 yr olds) Fall Semester 2024

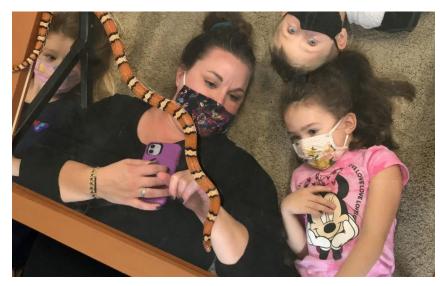


Bring your little scientist to the zoo to explore science through games, activities, crafts and upclose animal encounters. You'll participate with your child as we inspire curiosity and create connections to animals and science.

Cost: \$79 for semester for 1 child and parent. 1 adult must attend with the student. Older, younger or non-registered siblings may not attend. If you have an older student, sign up for our weekly homeschool classes.

Zoo Annual Pass or Circle of Friends membership is required to attend class. Both the student(s) and whoever brings the student(s) to class must either pay admission or have an annual pass. Visit zooknoxville.org to purchase an annual pass or Circle of Friends membership.

Registration: Online registration for new families starts April 19th. Advance registration is required. Registration is online at zooknoxville.org! Registration and payment must be received at least two days before students can start attending class. Register by August 11th to be able to attend the full semester. Registration is still open after the semester starts and a midsemester discount is available as



long as there is space in the class. Most classes fill before the start of the semester.

Schedule: Register each child for one class per week. Classes occur weekly on Tuesdays and Wednesdays from 9:45-10:45 from Aug 13th- Nov 13th except the weeks of Oct 1st and 8th there will not be classes.

Zoo Knoxville Weekly Homeschool Class Schedule Fall 2024

Aug 13th -14th Introduction to the Homeschool Academy and Intro to Chemistry

Students will learn the different states of matter and be able to describe how they interact.

Aug 20th - 21st Chemistry: Acids and Bases

Students will learn how to identify if a substance is an acid or a base. Students will also learn importance of pH and how to test the pH of different liquids.

Aug 27th-28th Chemistry: Chemistry in Everyday Life

Students will learn how chemistry is used in everyday life and perform experiments using

everyday materials.

Sept 3rd-4th Microbiology: Intro to Microbiology

Students will discover evidence that cells have structural similarities and differences across organisms. They will be able to describe the basic parts of plant and animal cells.

Sept 10th- 11th Microbiology: Cells and Bacteria

Students will be able to understand how cells can burst, learn how to identify bacterial colonies, and observe microorganisms using magnifying lenses and microscopes.

Sept 17th-18th Anatomy: Plants and Animals

Students will be able to identify different parts of a plant and animal. Students will learn how their unique anatomy helps plants and animals survive in their environment.

Sept 24th-25th Anatomy: Predator vs Prey

Students will be able to identify the main differences between carnivores and herbivores. Students will learn why these animals are important to an ecosystem and their

adaptations.

Oct $1^{st} - 2^{nd}$ FALL BREAK: NO CLASSES

Oct 8th-9th FALL BREAK: NO CLASSES

Oct 15th-16th Anatomy: All About Tracks

In this class students learn the importance of tracking and practice identifying animals by

examining the tracks and signs they leave behind.

Oct 22nd-23rd Anatomy: Tracking Field Trip (Tommy Schumpert)

Oct 29th-30th **Engineering: Biomimicry**

Students will understand the significance of engineering design in the natural world.

Students will also understand and observe the principles of flight.

Nov 5th-6th Engineering: Problem Solving

In this class students will learn the engineering process and apply it to various problem solving activities. Students will also learn about problem solvers in the animal kingdom.

Nov 12th -13th **Engineering: Build It!**

Students will use the engineering process and critical thinking skills to design and build things.