Zoo Knoxville Science Pups

(4-5 yr olds)

Spring Semester 2024

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

Cost: $74 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 Nov 17th. 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 January 18th to be able to attend the full semester. Registration is still open after the semester starts and a mid-semester 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 Jan 23rd – April 24th except the weeks of March 5th and 12th there will not be classes.

Zoo Knoxville Weekly Homeschool Class Schedule Spring 2024

Jan 23rd-24th	**Introduction to the Homeschool Academy and Intro to Physics: Magnetics** In this class, Students will learn the basics of magnetism including how magnets function and how to magnetize objects.
Jan 30th - 31st	**Physics: Motors and Electricity** Students will learn about the different types of electricity and how they are produced. Students will also learn how circuits work and be able to describe the differences between an insulator and a conductor.
Feb 6th-7th	**Physics: Forces and Simple Machines** Students will be able to explain what a simple machine is, as well as describe different types of simple machines and how they work.
Feb 13th-14th	**Environmental Science: Resources and Recycling** Students will be able to distinguish between renewable and nonrenewable resources, and explain how creating products makes an impact on the environment. Students will also learn ways to reduce their impact on the environment.
Feb 20th- 21st	**Environmental Science: Water Conservation** Students will be able to explain the water cycle and identify point and non-point sources of pollution. Students will also be able to describe in what ways water is used and how to reduce water usage at home.
Feb 27th-28th	**Environmental Science: Insects and Soil Ecology** In this class, students will be able to identify the different soil horizons, the differences between biotic and abiotic factors, and be able to describe the importance of soil.
March 5th-6th	SPRING BREAK: NO CLASSES
March 12th-13th	SPRING BREAK: NO CLASSES
March 19th-20th	**Ecology: Biomes** Students will learn to define and classify different biomes, explain the difference between weather and climate, and be able to explain the importance of biodiversity.
March 26th-27th	**Ecology: Seasonal Changes** In this class, students will learn how flora and fauna change as winter shifts to spring.
April 2nd-3rd	**Ecology: DIY Vegetable Planter** Students will participate in field science to monitor emerging insects as well as create a DIY vegetable planter to take home.
April 9th-10th	**Geology: Fossils and Rock ID** Students will learn the three types of rocks and be able to describe how they are formed. Students will also learn how fossils are made.

April 16th-17th	**Geology: Plate Tectonics and Geographic Features** Students will learn how convection in the Earth's layers cause the tectonic plates to move. Students will also be able to describe continental and oceanic features, and the earth's layers.
April 23rd-24th	**Geology: Ancient Creatures** Students will be able to describe a basic timeline of the Earth's history using measures of geologic time (eon, era, period, and epoch). Students will also be able to draw connections between extinct ancient creatures and their modern-day counterparts.