



## Close Encounters

### **Animals on the Move (ages 3-5)**

Slither, crawl, hop, run and wiggle! Join us as we learn how animals get from one place to another. Students will be able to observe how different animals move and try out those movements themselves! This program includes the opportunity for students to meet 2 different animal ambassadors.

VA ELDS: HPD2.1

### **Colorful Animal Kingdom (ages 3-5)**

The animal kingdom is a colorful place! Explore how animals use colors to survive. Students will have the chance to meet 2 different animals and investigate their colors up close!

VA ELDS: CD3.4

### **One, Two, Who's at the Zoo? (ages 3-5)**

Three, four, let's learn some more! Can you count how many ears an animal has? How many zebras live in a herd? Practice your counting skills as we meet 2 different animal ambassadors.

VA ELDS: CD3.1

### **Life Cycles (K-2nd Grade)**

Which animals lay eggs, and which animals give live birth? Which animals care for their young? Join us as we explore the different life cycles found within the animal kingdom.

VA Science SOLs: K.7; 1.5; 2.4a

NC Essential Standards (Science): 2.L.1.1, 2.L.1.2

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## **Senses (K-2nd Grade)**

What's that sound? During this program, students will investigate how animals use senses to interact with their environment.

VA Science SOLs: K.5a,b, 1.5b

## **Wild About Weather (K-2nd Grade)**

Have you ever wondered how animals overcome the wildest of weather conditions? Join us as we investigate how weather and seasonal changes impact habitats and the things that live there.

VA Science SOLs: K.9a,b; 1.7; 2.7a

NC Essential Standards (Science): K.E.1, 2.E.1

## **Catch Me If You Can (3rd-5th)**

From predators to prey, all animals have a role to play! In this program, students will meet 2 animal ambassadors and learn about the differences between omnivores, herbivores, and carnivores. Participants will also discover how energy flows within a food chain.

VA Science SOLs: 3.5b; 4.3a,b

NC Essential Standards (Science): 5.L.2.2

## **Secrets of Survival (3rd-5th)**

What does it take to survive in the wild? Students will meet some of our animal ambassadors and explore the physical and behavioral adaptations that help them succeed out in nature.

VA Science SOLs: 3.4a,b

NC Essential Standards (Science): 4.L.1.2, 4.L.1.4

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## Genetics at the Zoo (6th-12th)

How do tools like Punnett squares help us care for our animals? This program introduces basic genetic principles related to domestication, variation in wild populations, and the special challenges of maintaining genetic diversity within zoos.

VA Science SOLs: LS.10c; LS.11a; BIO.5a,c

NC Essential Standards (Science): 7.L.2, Bio.3.2

## Animal Care (6th-12th)

How do we care for over 150 different species of animals? During this 30 minute program, your group will learn all about our animals, their needs and behaviors, and how we use science to provide the best possible care for our animals.

Concepts Covered: Animal Behavior; Zoo Careers; Nutrition

## Am I in the Right Class? (6th-12th)

What's in a name? Join us for a crash course on Linnean classification. For both of the animals your students meet, we'll break down every part of the animals' scientific name and discover which groups it belongs in. We'll also learn how these animals are related to each other and discuss how classifications can change as science advances.

VA Science SOLs: LS.3c; BIO.6a,f

NC Essential Standards (Science): Bio.3.5

## Community (Citizen) Science (6th-12th)

Scientists need you! Every day scientists sift through piles of raw data, and sometimes they need a little help. Whether it's identifying frog calls and watching bird nests or flipping through camera traps and hunting for caterpillars; scientists are asking for our help. Join the Virginia Zoo as we explore how everyday people are getting involved to help scientist further our understanding of nature.

VA Science SOLs: LS.8, LS.9, ENV.12

NC Essential Standards (Science): Bio.2.2

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