

## Real Science Programs



### About Real Science Programs

Real Science Programs is the work of Brad Reynolds who has a M.S. Degree in Biology, 10 years of experience as a science teacher, and 10 years with Real Science. The programs are an economical, convenient and effective way to bring important science concepts to life for your students. They provide an exciting and entertaining learning experience at your school for a fraction of the cost of a field trip and without the hassles.

### Contact Information

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### Rave Reviews for Real Science

- "Excellent use of technology to display the animals. Perfectly aligned with Core Content." *J.H.-3rd grade teacher, Daviess County, KY*
- "The video clips are awesome!" *K.B.-4th grade teacher, Hancock County, KY*
- "The students loved the program! It brings our science lessons to life." *M.C.-5th grade teacher, Lafayette, TN*
- "Outstanding! We will definitely invite you back." *L.H.-elementary principal, Evansville, IN*
- "The review of Core Content and critical vocabulary will more than help to jog our students' memory for the upcoming test." *B.D.-middle school principal, Warren County, KY*
- "Very interesting and entertaining hands-on approach using a variety of visual aids. I highly recommend this program and presenter." *D.M.-7th grade science teacher, Russellville, KY*

### Cost

**First or single presentation ———\$250**  
**Second presentation same visit—\$125**  
**Third and additional presentations-\$75**

*Additional fees may be included for travel based on mileage and for presenting different programs on the same visit.*

Go to [realscienceprograms.com](http://realscienceprograms.com) for more information. Check out the online resources for students and teachers.



## Creepy, Crawly, Scaly and Slimy

Real live animals illustrate the incredible diversity of the animal kingdom in this awesome presentation that can be tailored to fit any age group. The program features live arthropods, amphibians, reptiles, and mammals to compare some of the amazing adaptations and life cycles found in animals and to show how scientists group animals based on their similarities and differences. The magic of video technology enhances this program with live close-up views, videos clips and pictures. An ordinary tarantula can be transformed into a monster that fills a six-foot screen right before your very eyes!

## Lizards, Snakes and other Reptiles

This program uses live animals to show reptile characteristics and adaptations with a special emphasis on snakes and lizards which account for 95% of the reptile species alive today, are closely related, and belong to the same reptile group. It examines a variety of adaptations including tails that break off, tongues used for smell, and teeth that inject venom. Video technology shows live close-up views of the leftover leg bones in the Boa along with video clips of a Skink's tail coming off as a defense and a snake swallowing prey that is bigger than its head. The content of the program can be tailored to fit any age group.

## Exotic, Aquatic, and Backyard Creatures

Travel from your own back yard to exotic ecosystems around the world with the live animals featured in this exciting presentation. The hour-long program compares different ecosystems and the animals that live in them, focusing on adaptations that help animals survive in their environment. It also examines human impact on the environment and extinction. Video technology enhances this program with close up views of the adaptations along with video and pictures that illustrate the different ecosystems and habitats the animals live in.

## Cold Blooded Killers and Scaly Survivors

Energy is essential for survival and wild animals are linked together in a constant struggle to find food and to avoid being eaten. This program focuses on the amazing adaptations that enable predators to capture prey and those that protect prey from predators. Live animals are used to bring these adaptations to life, to illustrate the food chain, to explain natural selection, and to demonstrate interdependence. The video technology which enhances this program includes some awesome video clips of the animals catching and eating prey and a live view of pond plankton through a video microscope.

## INSIDE YOUR BODY

Take your class on a journey inside the human body with this fascinating program that clearly illustrates the relationship between cells, tissues, organs, and organ systems. Students see actual cells from one of their classmates through a video microscope. Dissection of a sheep eye via video projection demonstrates the arrangement of tissues in organs. Dissection of a fetal pig shows the arrangement of organs in systems. Human size organs from sheep and pigs show how organ structure and function compliment each other. Students get a chance to see and feel the organs used in the program including real human bones.

**Grade Levels** Pre K, K-2, 3-5, 6-8, 9-12

**Science Concepts** Animal classification, Vertebrates, Invertebrates, Diversity, Life cycles, Adaptations, Biological change

**Animals Featured** Tarantula, Scorpion, Hissing Cockroach, Hermit Crab, Crayfish, Bullfrog, Salamander, Box Turtle, Monitor Lizard, Boa Constrictor, American Alligator specimen, Virginia Opossum.

**Grade Levels** K-2, 3-5, 6-8, 9-12

**Science Concepts** Biological change, Diversity, Classification, Adaptations, Life cycles

**Animals Featured** Green Iguana, Bearded Dragon, Crested Gecko, Monitor Lizard, Uromastyx, Skink, Legless Lizard, Boa Constrictor, Garter Snake, Milk Snake, Hognose Snake, Black Rat Snake, Venomous snake specimens.

**Grade levels** 3-5, 6-8, 9-12

**Science Concepts** Ecosystems, Habitats, Adaptations, Human environmental impact, Extinction, Diversity, Abiotic Factors,

**Animals Featured** Iguana, Boa Constrictor, Monitor Lizard, Bearded Dragon, Garter Snake, King Snake, Rat Snake, Box Turtle, Softshell Turtle, Bullfrog, Toad, Salamander, Salamander larva.

**Grade Levels** 3-5, 6-8, 9-12

**Science Concepts** Predator and prey adaptations, Natural Selection, Reproduction and heredity, Biological change, Food chains, Food webs, Biotic factors, Interdependence, Mimicry

**Animals Featured** Milk Snakes, Corn Snakes, Plankton, Snapping Turtle, Toad, African Bullfrog, Hognose Snake, King Snake, Box Turtle, Hermit Crab, Bearded Dragon, Uromastyx.

**Grade levels** 4-5, 6-8, 9-12 (Recommended for groups of 100 or less)

**Science Concepts** Cells as the basic unit of life, Specialization of cells, Levels of organization in the human body, Complimentary nature of structure and function, Reproduction and heredity

**Real Body Parts** Brain, Eye, Lungs, Trachea, Larynx, Diaphragm, Heart, Stomach, Pancreas, Liver, Kidney, Bladder, Fetal Pig, Human Bones and Cheek Cells