

ZooPro Adventure Program

Meet and Greet

Main Program Topics:

How adaptations of specific featured species enhance their survival in their natural environments, and in certain instances, their survival in environments disturbed or greatly altered by human activity.

Why featured species are classified or placed in certain large groups (vertebrates/invertebrates, phyla, classes) according to their general characteristics.

How adaptations of specific species are allowed by, or grow out of, the general characteristics of their larger group, and how adaptation is limited by these characteristics.

Relation to Virginia SOLs:

K.2 (sensory descriptors)

K.6 (obtaining basic life needs; life cycles; similarity of offspring to parents)

K.8 (animal growth)

1.5 (life needs; specific physical characteristics; classification by characteristics)

2.4 (animals with distinct stages in life cycles)

2.5 (interdependence of animals with living and nonliving surroundings; influences that change habitats)

3.4 (behavioral and physical adaptations)

3.6 (sharing limited resources; terrestrial environments)

3.8 (animal life cycles)

4.5 (behavioral and structural adaptations; habitats and niches; influence of human activity on ecosystems)

4.8 (animals of Virginia)

5.5 (vertebrates and invertebrates)

Special Notes Regarding This Program:

Within the basic outline of this program, clients will select the taxon which a specific presentation will concentrate on from among: Arthropods (insects, arachnids, millipedes); Amphibians; Reptiles; Birds; or Mammals.

Animal Species Typically Used :

For Arthropod program:

Ants	formicidal <i>Lasius</i> sp.
	<i>Dynastes tityus</i>
Hercules Beetle	
Millipedes	<i>Diplopoda</i> sp.
Emperor Scorpion	<i>Pandinus imperator</i>
Chilean Rose Tarantula	<i>Grammostola rosea</i>

Note: apart from the general policy of no Animal contact by persons other than the presenter, arthropods would generally be presented in a container when being held and shown by the presenter would be inadvisable for any reason.

For Amphibian program:

	<i>Rana catesbeiana</i>
American Bullfrog	
American toad	<i>Bufo americanus</i>
Fire Belly Toad	<i>Bombina orientalis</i>
Fire Salamander	<i>Salamandra salamandra</i>
Spotted Salamander	<i>Ambystoma maculatum</i>

For Reptile program:

Bearded Dragon	<i>Pogona vitticeps</i>
Five-lined Skink	<i>Eumeces inexpectatus</i>
 Black Rat Snake	<i>Elaphe obsoleta</i>
Eastern Hognose	<i>Heterodon platyrhinos</i>
Green Tree Python	<i>Morelia viridis</i>
Eastern Box Turtle	<i>Terrapene Carolina</i>
Pancake Tortoise	<i>Malacochersus tornieri</i>
Mata mata	<i>Chelus fimbriatus</i>

For Bird program:

Golden Pheasant	<i>Chrysolophus pictus</i>
 Great Horned Owl	<i>Bubo virginianus</i>
Kestrel	<i>Falco sparverius</i>
Pied Crow	<i>Corvus albus</i>
Toucan	<i>Ramphastos toco</i>

For Mammal program:

Chinchilla	<i>Chinchilla lanigera</i>
Fennec Fox	<i>Vulpes zerda</i>



Didelphis virginiana

Virginia Opossum

Other Materials Typically Used :

As appropriate to the taxon being presented, arthropod or reptile sheds or feathers of featured species may be shown.

Depending on age/grade level of participants, graphics such as simple classification charts and/or pictorial groupings of unrelated organisms from the same habitat may be shown.