

## Middle School Education Programs

### ***Food Chain***

Life Science:

Explore food chains and food webs which include museum animals; both in the museum and in the wild. Students examine food chains and meet all of the components of one food chain.

SOLs: LS.6

### ***Adaptations***

Life Science:

Have you ever wondered how animals can survive in such diverse habitats? Explore in-depth the adaptations of our museum's living collections and examine just how these adaptations promote survival.

SOLs: LS. 9, LS. 13, BIO 7

### ***Genetics***

Life Science:

Animals, reptiles in particular, can be found in an incredible variety of colors. How does this happen? Meet some reptiles and learn about some of the controlling factors behind the many different colored variations you can find in the wild and in pet stores.

SOLs: LS. 12, BIO 5

### ***Wet all over: Watersheds and Aquatic Ecosystems***

Grade 6 and Life Science:

Water is incredibly important to all living things-so much so that entire ecosystems can revolve around the water in an area. Join us in examining an aquatic ecosystem and determining just how important a watershed is. Observe a model ecosystem and conduct an experiment exploring human impact.

SOLs: 6.7, LS. 9, LS. 11

***Eye to Eye \*additional cost applies\****

Life Science and Biology:

This class takes a first-hand look at the incredible sensory organ, the eye, and its complex connection with the brain, which provides us with the ability to see. Students dissect a cow eye and examine and compare its structure and function to that of the human eye.

SOLs: LS.3

***Discover DNA***

Life Science and Biology:

Investigate the science of genetics in this class. Students learn about the structure and function of DNA and extract it from a strawberry. They also explore and compare genetic traits which make each of us unique.

SOLs: LS.2, LS.13, LS.14

***Chemical Conundrum***

Chemistry:

Oh no! We've mixed up some of our chemicals. Help our museum educators design an experiment to identify our mystery chemical and explore a number of exciting chemical reactions.

SOLs: P.S 1, CH 1, CH 3