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**Zoology**

**What is it?**

**(Grades:** 11-12; **Credit:** ½; **Type:** Biological or Elective Science**)**

*Prerequisite: Biology*

*Recommendation: C or higher grade in Biology*

This class will explore the animal kingdom from simple sponges to complex mammals. We will see how animals have developed different strategies for survival. The dissection of representative animals will help us learn about different anatomy. We will discover the relationships between different taxonomic categories of animals. The impact of different animals on people and each other will be revealed. An emphasis will be placed on laboratory skills, keeping an organized notebook and working together.

**Who should take it?**

Did you enjoy the lab portions of biology?

Is veterinarian science, marine biology or conservation in your future?

Do you like critters?

Are you intrigued by dissection?

Is animal planet your favorite channel?

**What are the expectations?**

This is an upper level science class. You must take notes, study and memorize.

You will maintain a science notebook with pictures, notes, colorings and lab activities.

You will work with a group for class activities, labs and dissections.

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**What will you study?**

 For each group of organisms studied, you will be asked to

* Classify taxonomically
* Describe evolutionarily significant adaptations
* Explain organs and functions used in life processes

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| **Units** | **Major Activities** |
| Sponges and Cnidarians | PlanarianZebra fish  |
| Worms and Mollusks | Dissect EarthwormDissect ClamDissect Squid |
| Arthropods and Echinoderms | Dissect CrayfishDissect GrasshopperDissect Sea Star |
| Chordates and Ectotherms | Dissect FishDissect Frog |
| Endotherms  | Great Fossil FindWalking with DinosaursDissect Rat |