



Summer Learning Institute Program Course Outline

Camp Cretaceous

Dinosaurs went extinct 65 million years ago, but we are bringing them back this summer to learn about all the wonders that were buried for millions of years! Discover cutting-edge science that helps paleontologists learn about how these ancient reptiles might have looked, sounded, and lived. Create Cretaceous marvels to take home, expressing your own artistic representations for what you think these creatures may have looked like. Work with the Museum's vast collection of fossils that span hundreds of millions of years.

All program classes are organized to address the following aspects:

- STEM/STEAM Education.
- Cultivate an interest in Art, Science, and History.
- Continued knowledge and comprehension regarding Volusia County School Standards.
- Develop interpersonal skills such as teamwork and problem solving.
- Foster curiosity and imagination of the world around us.

Pre-requisites: None

Date: June 17-21

Software/Materials/Books/Media: Handouts and materials provided in class.

Exhibits/Galleries that correspond with camp:

- Prehistory of Florida
- Megalodon: The Largest Shark that Ever Lived (Presented by Wagner the Lawyer Dude)
- Tide Pool (Presented by Expert Reserve Services)

Course Objectives:

Students will:

- Learn about various paleontological discoveries and scientists.
- Learn about what paleontology is and what it involves.
- Learn about the science behind dating, locating fossils, and how scientists can theorize what dinosaurs looked like.

5 Day Course Outline Example:

Schedules must consider, lunch time, snack time, free play, and lessons in the gallery. All movies/shows must be approved by MOAS staff prior to viewing.

- Day One: Timeline of the Earth. Begin with the importance of the Paleozoic Period. Then move onto teaching about the Mesozoic Era and the different periods attributed to it.
- Day Two: Introduction to Paleontology. What is paleontology and how do we use it? What are dinosaurs?
- Day Three: Lessons on where fossils are found. Teaching what a fossil is and how they are created. Visit the Prehistory of Florida gallery to show fossils. Teachers can also request the use of fossils from the education collection (which is hands-on.)
- Day Four: Talk about the Cretaceous period and the animals that lived during that time. Bring in the idea of dating fossils and the science behind it. Make their own fossils using clay.
- Day Five: Show different dinosaur appearances over the years. How has it changed and why? Talk about the new scientific methods used for discovering these things. Kids can create artworks of their own dinosaurs. Jurassic Park is a good thing to bring in because kids will recognize this: a short documentary on how they designed the dinosaurs is available on YouTube.

Assessment:

Student's ability to demonstrate the following:

1= Below Expected Outcome

3= Meets Expected Outcome

5=Exceeds Expected Outcome

The Student Has:	1	2	3	4	5
Demonstrated familiarity with the Mesozoic Era.					
Demonstrated fundamental knowledge of paleontology.					
Demonstrated a recognition of past and current paleontological science.					
Demonstrated a desire for continuing education.					