

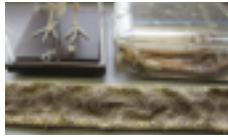
THIS WEEK IN BI 102

TUESDAY LECTURE



Tree of Life
Using “trees” to represent the relationship between species over time.

THURSDAY LECTURE



Origins of Species
This week origins of species, next week the other possibility: extinctions.

RECITATION



Dinosaurs and Other Reptiles
Reptile lineages over time, including the dinosaurs.

LABORATORY



Dinosaurs and Speciation
Modeling speciation and various dinosaur groups.

ON-LINE READINGS



Speciations; Dinosaur Researchers
Exciting times in dinosaur research.



It's Dinosaur Week 2015

Work Ahead for Thursday's Lecture

Read “Speciation” and answer the following questions.

List different types of beaks of “Darwin's” finches and describe how the different species may have developed over time.

What is special about the populations of house mice on the island of Madeira, and how may this have happened?



Check your studying from last week. In which geologic time did each of the following originate? bacteria, animals, trilobites, land plants, reptiles, mammals.

Work Ahead for Thursday's Lecture and the Activities

Read “Dinosaur Researchers” and answer the following questions.

Why are there currently so many dinosaur “discoveries?”

List examples of dinosaurs that were in the news in 2014.

Work Ahead for Recitation

From *Dinosaurs and Other Reptiles* in the activity manual, answer the following Questions.

Describe what **adaptive radiation** is and provide an example (hint, think Galapagos Islands)(Question #3, p. 91)



Not Quite Dinosaurs: Not all large reptiles of the Mesozoic Era were dinosaurs.

Diapsids include the _____ and _____. (Station D, p. 92)

The recitation portfolio assignment can be done at any time. Read and complete the “*Dinosaur News Story*” assignment, p. 95 to get ahead on Portfolio #2.

Work Ahead for Laboratory

From *Speciation and Dinosaurs* in the activity manual, answer the following questions.

Dinosaurs diverged into two groups: the _____ and the _____ (Question #3, p. 101) What are the two say

What is a possible cause of the K-T extinction (now sometimes called the K-Pg) that ends the Mesozoic era? (p. 105)

You will be observing the albino and “regular” corn seedlings from the first week’s lab again in lab this week. What do you predict happened to the albino corn plants?



Portfolio #2 is due next Monday, Feb. 9 Portfolios can be turned in early, Thursday or Friday this week, 133 Weniger

Dinosaur Groups



Omnithischians: These dinosaurs had bird-like pelvises (orni-) but did not actually give rise to the birds. Most of the armored dinosaurs are in this group, including *Triceratops*.



Saurischian Sauropods: Many of these dinosaurs reached massive sizes, including *Brachiosaurus*.



Saurischian Theropods: Many of the carnivorous dinosaurs that primarily hunted on two back feet, including *Tyrannosaurus*. This group gave rise to modern birds.