



# The Smithsonian Associates

Dinosaur and Dioramas grades 1 - 3

This is an approximate schedule of activities:

Academic goals:

- Mesozoic had three periods Triassic, Jurassic and Cretaceous.
- Different dinosaurs lived in each Period.
- The continents changed location during the Mesozoic.
- Different dinosaurs lived on the continents as Pangaea broke up.
- The three different types of plants and their sequence of appearance.

Interpersonal skills:

- Taking turns.
- Working with a team to solve problems.
- Communicating clearly and courteously with others to achieve a goal.

Craft skills:

- Painting.
- Diorama making.

Class activities:

Campers will complete a diorama board, Paint a dinosaur to use with Dinosaur Schlact, paint a figure for Dinosaur Safari and paint a CD as swamp, forest or scrub train type to take home.

Will learn about the Mesozoic animals and plants with field trips, game simulations and discussion (story time).

Will be introduced to figure painting and diorama making.

Will learn at different times and places different plants and dinosaurs lived in the Mesozoic. The 3 different plant types and the concepts of parallel evolution, plate tectonics, and vicariance.

Classroom requirements:

Large tables 8 – 10.

26 chairs for 20 students, 4 YTA, 2 Teachers

DVD player with TV

**Monday:**

Theme Late Triassic and Early Jurassic the first dinosaurs

Details are added the diorama, plants and new dinosaurs will be painted. Add Survive O Saurus. Bring out new dinosaurs to paint. Each group will rotate through diorama work but will now be able to pick activity when not working on diorama.

Station 1: Survive a Saurus / Trias

Station 2: Dinosaur Schlact / Dinosaur Safari

Station 3: Painting hunter and dinosaur molds, painting dinosaurs, terrain, start timeline mural.

Station 4: Start Diorama bases.

Station 5: Free Play with dinosaurs

9:00 Campers arrive and review the days planned activities. Add Early Jurassic Dinosaurs to time line. Rotate groups activities.

10:00 Campers pick activities. Diorama work, Painting new large dinosaurs are ready to paint, Gaming and unstructured play.

11:00 for snack break.

12:00 clean up for lunch and sit class down for review of activities.

12:30 Lunch with YTA's.

1:30 Review the next planned activities. Open discussion, question and answers about field trip. Discuss plant and animals of the Early Jurassic and how they are different from other periods.

2:00 Rotate groups to different activities.

3:00 rotate activities.

4:00 clean up and discussion session to review days activities.

4:30 camper are taken to pick up area or after care.

**Tuesday** – Theme Late Jurassic the Giant Dinosaurs

Station 1: Dinosaur Safari

Station 2: Dinosaur Schlact

Station 3: Painting hunter and intro to dinosaur molds, painting dinosaurs, terrain. Work on timeline mural.

Station 4: Start Diorama bases.

Station 5: Free Play with dinosaurs or reading supplied dinosaur books.

Details are added the diorama, plants and new dinosaurs will be painted. Add unstructured playtime with dinosaurs. Bring out new dinosaurs to paint. At this point campers will have participated in all activities at least once. Each group will rotate through diorama work but campers will now be able to pick an activity that does not disrupt class when not working on diorama.

9:00 Campers arrive and review the days planned activities. Add Late Jurassic Dinosaurs to time line. Rotate groups activities. Open discussion, question and answers about field trip. Discuss plant and animals of the Late Jurassic and how they are different from other periods.

10:00 assign groups their activities. Diorama work, Painting, new large dinosaurs are ready to paint and use with Dinosaur Schlact, Dinosaur Safari and unstructured play.

11:00 for snack break.

12:00 clean up for lunch and sit class down for review of activities.

12:30 Lunch with YTA's.

1:30 Review the next planned activities. Open discussion, question and answers about field trip. Discuss plant and animals of the Late Jurassic and how they are different from other periods.

2:00 rotate groups to different activities.

3:00 rotate activities.

4:00 clean up and discussion session to review days activities.

4:30 campers are taken to pick up area or after care.



**Wednesday –**

Theme Early Cretaceous. Flowering Plants.

4 activity stations

Station 1: Dinosaur Safari

Station 2: Dinosaur Safari

Station 3: Painting and molds. Start to base paint old CD for use as terrain in Dinosaur Safari. Bring out new dinosaurs to paint. Work on timeline mural.

Station 4: Start Diorama bases.

9:00 Campers arrive and review the days planned activities. Open discussion, question and answers about field trip. Discuss plant and animals of the Early Cretaceous and how they are different from other periods.

10:00 the Botanical Gardens to see plants from the Mesozoic. The class should be back by 11:00. See Botanical Garden activity plan.

11:00 for snack break. Add Early Cretaceous dinosaurs to time line. Rotate groups activities.

12:00 clean up for lunch and sit class down for review of activities.

12:30 Lunch with YTA's.

1:30 Review the next planned activities. Open discussion, question and answers about field trip. Discuss plant and animals of the Early Cretaceous and how they are different from other periods.

2:00 Rotate groups to different activities.

3:00 rotate activities.

4:00 clean up and discussion session to review days activities.

4:30 campers are taken to pick up area or after care.

**Thursday** – Theme Late Cretaceous. The last of the dinosaurs.

4 activity stations

Station 1: Dinosaur Safari

Station 2: Dinosaur Safari

Station 3: Paint the hunter figure for Dinosaur Safari and intro to dinosaur molds, painting dinosaurs. Work on timeline mural. Find a Late Cretaceous dinosaurs and past on wall.

Station 4: Start Diorama bases.

Review times or story times will be in the morning, before lunch, at the return of lunch and before going home. This is an interactive time for the campers and teachers to discuss the activities and lessons. Campers may bring items from home to share. Use will be made of subject matter DVD's at the pre lunch and end of the day reviews.

9:00 Campers arrive and are introduced to the teaching staff. Review rules for camp. Campers will be expected to respect class materials, teachers, YTA's and treat other campers with courtesy. No running, hitting or yelling. YTA's will escort campers to restrooms, lunch also to and from pick up area. Campers who break rules will be asked to take a time out. Repeated problems will generate a call to parents. Introduce campers to posters and books. Review the days planned activities.

10:00 Campers will visit the Natural History Museum to view the Dinosaur diorama. The class will be broken up into 4 groups by age if possible and each assigned to a teacher or YTA. The class should be back by 11:00. See the Natural History Museum activity for details.

11:00 for snack break. Introduce timeline mural have campers add dinosaurs of the days period. Group 1 will start to work preparing the diorama base. Group 2 will play Jurassic Dinosaur Safari. Group 3 will play Cretaceous Dinosaur Safari. Group 4 will start paint a hunter figure and mold figures. Introduce painting of dinosaurs.

12:00 clean up for lunch and sit class down for review of activities. Open discussion, question and answers about field trip. Discuss plant and animals of the Late Cretaceous and how they are different from other periods.

12:30 Lunch with YTA's.

1:30 Review the next planned activities. Open discussion, question and answers about field trip. Discuss plant and animals of the Late Cretaceous and how they are different from other periods.

2:00 Rotate groups to different activities.

3:00 rotate activities.

4:00 clean up and discussion session to review days activities.

4:30 campers are taken to pick up area or after care.

**Friday** – Theme *The Mesozoic the time of the dinosaurs.*

Station 1: Survive a Saurus with finished dioramas / Dinosaur Safari

Station 2: Dinosaur Schlact / Dinosaur Safari

Station 3: Painting and dinosaur molds.

Station 4: Finishing touches on their dinosaurs and dioramas. Picture of the camper with the dioramas.

Station 5: Free Play with dinosaurs

9:00 Campers arrive and review the days planned activities.

10:00 Campers pick their activities. Diorama work, Painting, Gaming and unstructured play.

11:00 for snack break.

12:00 clean up for lunch and sit class down for review of activities.

12:30 Lunch with YTA's.

1:30 Review the next planned activities. Open discussion, question and answers about field trip. Discuss plant and animals of the Early Jurassic and how they are different from other periods.

2:00 Campers pick their activities. Diorama work, Painting, Gaming and unstructured play.

3:30 Parents come to see camper's projects and take them home. Painting tables begin clean up.

4:30 Remaining campers are taken to pick up area or after care.



Terms

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**Dinosaur Safari** a custom role-playing game based on Saurian Safari by HLBS. Campers are hunters moving through a partial time and place in the Mesozoic performing some task set up by the moderator or Game Master (GM).

**Dinosaur Schlact** a board game of dinosaur armies.

**Survive O Saurus** a customized role-playing game developed from the QRF game. Campers play the dinosaur *Coelphysis* and have to survive the dry and wet seasons.

**Trias** a customized board game design to show Pangaea broke up and the dinosaurs spread.

DVD list.

BBC *Walking with Dinosaurs*

BBC Chased by Dinosaurs

BBC Dinosaur Revolution

Discovery Channel Dinosaur Planet

Discovery Channel When Dinosaurs Roamed America.

Supplies:

1. 20 – 40 Horse Chestnuts for cycads.
2. Broom straw or something similar to make reeds/cattails
3. Picture Dinosaur books
4. Tub of Safari dinosaurs for Dinosaur Safari
5. Tub of other dinosaurs for free play
6. All tree picks packed up for class
7. Posters and books
8. Dinosaur Safari die, hex mats, scenarios and rules
9. Survive o Saurus rules and figures
10. Schlact of the dinosaur game, die and rules
11. Diorama tools: hot glue guns, files, scrapers and goggles
12. Get practice diorama foam boards to practice on Saturday
13. Elmers glue, paints and brushes
14. Molds and Pro dough

15. Dinosaurs to paint in buckets
16. Prints of field trip maps and instruction points.
17. Find sand fine grain light brown for diorama desert
18. Any other diorama foliage we can use.
19. Old CD's to use for game foliage
20. Digital camera and batteries
21. Board games
22. Box of PT
23. Dinosaur DVD's
24. Trias game with figures
25. Butcher paper for Mural

Classroom requirements:

Large tables 8 – 10.

22 chairs for 16 students, 4 YTA, 2 Teachers

DVD player with TV