

## ***Dinosaur Adventure 3-D***

### ***Software Description***

Rolf, a Parasarolophus, and his friend, Pterrance, help save the creatures on Paleo Island from the mighty T-Rex. Children find and hatch nine lost dinosaur eggs hidden on the island. While searching for the eggs, children visit the Triassic, Jurassic, and Cretaceous Periods. They can test their skills at maze making, matching, puzzles, timing, directionality, and eye-hand coordination with games called “Triassic Tar Pits,” “Connect-a-Cave,” “Bone Builder,” “Predator,” “Scrambled Eggs,” and “Galloping Gallimumuses.” Throughout the adventure, children discover through facts, pictures, and movies what the Earth was like when dinosaurs.

### ***Publisher***

Knowledge Adventure

### ***System Requirements***

Macintosh

Power PC processor

120 MHz or more (200 MHz preferred)

16 MB RAM (9 MB RAM available)

256 colors

4X CD-ROM

System 7.5.1 or higher

Windows

Windows 95/98

256 colors

4X CD-ROM

PC-compatible sound card

Pentium or equivalent (90 MHz)

16 MB RAM

16 MB available on hard drive

### ***Optional Computer Equipment***

- External speakers
- Printer
- Touch screen

### ***Introductory Activity***

Place plastic dinosaurs of different shapes, sizes, and colors in the center during circle time. Learn what children already know about dinosaurs. Encourage the children to play. Discuss attributes of the different dinosaurs. Suggest that children sort the dinosaurs by different attributes.

*Sing the Dinosaur Song* (to the tune of Mary Had a Little Lamb)

Dinosaurs lived long ago, long ago, long ago.

Dinosaurs lived long ago, and now they are extinct.

Brontosaurus swam in lakes, swam in lakes, swam in lakes, swam in lakes.

Brontosaurus swam in lakes, and now they are extinct.

Tyrannosaurs had sharp teeth, had sharp teeth, had sharp teeth.

Tyrannosaurs had sharp teeth, and now they are extinct.

Pterodactyls flew so high, flew so high, flew so high.

Pterodactyls flew so high, and now they are extinct

## **Child Outcomes**

Children will:

- Learn that some dinosaurs ate meat (carnivores) and other dinosaurs ate plants (herbivores), and some ate both (omnivores).  
**Math:** Algebra  
**Science:** Life Science; Science as Inquiry; Unifying Concepts and Processes
- Know that dinosaurs lived long ago and are extinct.  
**Science:** Life Science; Science as Inquiry; Unifying Concepts and Processes  
**Social Studies:** Time, Continuity, and Change
- Learn that many people (paleontologists) study dinosaurs.  
**Science:** Science and Technology; Science in Personal and Social Perspectives  
**Social Studies:** People, Places, and Environments; Science, Technology, and Society

## **Materials**

- *Dinosaur Adventures 3-D*
- Computer
- Dramatic Play realistic dinosaurs
- Sorting dinosaurs
- Books about dinosaurs
- Matching game from “Scrambled Eggs”
- Bones for dinosaur dig
- Tools for dinosaur dig, including small brushes, sieves, tweezers, tongs, and magnifying glasses.

## **Ahead of Time**

Make a matching game from the “Scrambled Eggs” activity found in the Cretaceous period of *Dinosaur Adventure 3-D*.

Boil chicken bones until bones are bare for dinosaur dig. Immerse bones in 1 part bleach to 3 parts water for a short time. If the bones are left in the bleach too long, they will begin to dissolve.

## **Computer Activity**

Let children explore the program initially. Then, if interest is there, add a challenge to the program. Ask children to name their favorite dinosaur. Document their choice on a large chart paper. Print several different dinosaurs that can be glued on the paper beside the written choice. As children are working with *Dinosaur Adventure 3-D*, their mission is to discover facts about their favorite dinosaur.

## **Related Activities**

### **Math**

- Build a maze with blocks. Place two dinosaurs in different places in the block area. Challenge children to build a road between the two dinosaurs similar to the “Connect-a-Cave” activity found in the program.
- Sort dinosaurs by size, color, kind, plant-eater, meat-eater
- Make a dinosaur outline on the playground using the information found from children’s research. Have the children measure how tall the dinosaur was and how long it was. Use tape or chalk to create the outline.

### **Science**

- Make a volcano with
  - 1/4 c. vinegar,
  - 1/2 c. liquid detergent
  - 6 tablespoons baking soda
  - food coloring
- Mix together in a paper cup and place inside the sand table volcano. Add warm water.
- Create a dinosaur habitat in the dramatic play area. This can be part of an art activity. Ask the children what the dinosaurs needed to live. Did they need water, trees, grass? Use cardboard tubing, cardboard, crepe paper, and other found items to make the dinosaur habitat.
- Make dinosaur footprints using clay, plaster of paris, Model Magic, other material. Compare and contrast the footprints.
- Research different dinosaurs. Create a *HyperStudio* stack about dinosaurs. Print the stack in a book format for the reading center.
- Create dinosaurs using a variety of media. Encourage children to talk about different parts of the dinosaur they are making. Invite children to look at pictures of models of dinosaurs to help them create their dinosaur. Ask questions like “How will your dinosaur move?” and “What does your dinosaur eat?”

### **Social Studies**

- Play games the dinosaurs might have played like Hide and Go Seek and Dinosaur Tag.  
Ask children if they think the herbivores and the carnivores would have played well together and why or why not.
- Create a dinosaur dig in the discovery table or outdoor sand and dirt area. Supply the area with tools. Invite the children to make a journal of the dig’s activities. Encourage the children to draw their findings as they work.
- Invite a paleontologist or archeologist to visit class.
- Locate and mark on a map or globe where dinosaurs were found. Discuss how close or far away the dinosaurs are located from the school.

### **Family Activities**

- Write a family book about a dinosaur that went home with each person in the class. Each family can write or illustrate what happened when the dinosaur came to visit.
- Invite families to send dinosaur-related books, puzzles, or videos to school to share.
- Send home the *HyperStudio* book or stack to families to read to or interact with their children.

### **Related Software**

- *Franklin's Activity Center*
- *I See Sue*
- *Kid Pix*
- *Putt Putt Saves the Zoo*
- *Magic School Bus Explores the Age of the Dinosaurs*

### **Related Internet Sites**

Dinosaur Resource Directory:

[http://www.pvisuals.com/dinosaur\\_museum/dino\\_links.html](http://www.pvisuals.com/dinosaur_museum/dino_links.html)

Zoom Dinosaurs: <http://www.EnchantedLearning.com/subjects/dinosaurs/>

### **Children's Literature**

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- Barton, B. (1990). *Bones, bones, dinosaur bones*. New York: Thomas Crowell.
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- Marzollo, J. (1994). *I'm Tyrannosaurus (A book of dinosaur rhymes)*. New York: Scholastic.
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