

Adaptive PreK - Grade 6 Curriculum: Dinosaur Exploration

Focus Topics:

1. T-Rex Dinosaurs
2. Velociraptor Dinosaurs

Sensory Accommodations:

1. Weighted Dinosaur Plush
 2. Dinosaur Slime Kit
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PreK - Kindergarten (Ages 4-6)

Week 1: Introduction to Dinosaurs

Objectives:

- Introduce basic concepts of dinosaurs.
- Understand the differences between T-Rex and Velociraptor.

Materials:

- Dinosaur storybooks
- Weighted dinosaur plush
- Dinosaur slime kit

Activities:

Day 1: What is a Dinosaur?

- **Circle Time:** Read a dinosaur storybook.
- **Sensory Activity:** Use the weighted dinosaur plush to help students focus while listening to the story.
- **Art Activity:** Create dinosaur footprints using dinosaur slime.

Day 2: Meet the T-Rex

- **Story Time:** Read a story about T-Rex.
- **Sensory Play:** Use the weighted dinosaur plush to reenact scenes from the story.
- **Art Activity:** Create T-Rex masks using construction paper and paint.

Day 3: Meet the Velociraptor

- **Story Time:** Read a story about Velociraptor.
- **Sensory Play:** Use the dinosaur slime kit to create Velociraptor tracks.
- **Art Activity:** Make Velociraptor claws using cardboard and foil.

Day 4: Dinosaur Sizes

- **Math Activity:** Use measuring tapes to compare the sizes of T-Rex and Velociraptor.
- **Sensory Play:** Use the weighted dinosaur plush to explore the size and weight of dinosaurs.
- **Art Activity:** Draw life-sized dinosaur outlines on large paper.

Day 5: Dinosaur Habitats

- **Science Activity:** Discuss where dinosaurs lived.
 - **Sensory Play:** Create a mini dinosaur habitat using the dinosaur slime kit.
 - **Art Activity:** Build a dinosaur diorama with natural materials.
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Grades 1-2 (Ages 6-8)

Week 2: Exploring Dinosaur Characteristics

Objectives:

- Identify physical characteristics of T-Rex and Velociraptor.
- Understand the differences in their behavior and habitats.

Materials:

- Dinosaur books
- Weighted dinosaur plush
- Dinosaur slime kit
- Craft supplies

Activities:

Day 1: Physical Characteristics

- **Reading:** Read detailed books about T-Rex and Velociraptor.
- **Sensory Activity:** Use the weighted dinosaur plush to feel different parts of the dinosaur.
- **Art Activity:** Create a T-Rex and Velociraptor collage using magazine cutouts.

Day 2: Hunting and Feeding

- **Science Activity:** Discuss the hunting techniques of T-Rex and Velociraptor.

- **Sensory Play:** Use the dinosaur slime kit to simulate hunting scenarios.
- **Art Activity:** Draw a food chain that includes T-Rex and Velociraptor.

Day 3: Movement and Speed

- **Science Activity:** Compare the speed and movement of T-Rex and Velociraptor.
- **Sensory Play:** Use the weighted dinosaur plush to act out different movements.
- **Math Activity:** Measure and graph the speeds of different dinosaurs.

Day 4: Dinosaur Communication

- **Science Activity:** Learn about how dinosaurs might have communicated.
- **Sensory Play:** Create dinosaur sounds using various materials.
- **Art Activity:** Make a dinosaur communication device using recycled materials.

Day 5: Dinosaur Fossils

- **Science Activity:** Discuss how fossils are formed.
- **Sensory Play:** Use the dinosaur slime kit to create fossil imprints.
- **Art Activity:** Make clay fossils using small dinosaur toys.

Grades 3-4 (Ages 8-10)

Week 3: Dinosaur Behavior and Adaptations

Objectives:

- Understand the adaptations of T-Rex and Velociraptor.
- Learn about their behavior and survival strategies.

Materials:

- Dinosaur research books
- Weighted dinosaur plush
- Dinosaur slime kit
- Science experiment supplies

Activities:

Day 1: Adaptations

- **Science Activity:** Discuss the physical adaptations of T-Rex and Velociraptor.
- **Sensory Activity:** Use the weighted dinosaur plush to explore adaptations.
- **Art Activity:** Create a model of a dinosaur with unique adaptations.

Day 2: Hunting Techniques

- **Science Activity:** Study the hunting techniques of T-Rex and Velociraptor.
- **Sensory Play:** Use the dinosaur slime kit to simulate hunting environments.
- **Art Activity:** Create a comic strip showing a dinosaur hunt.

Day 3: Social Behavior

- **Science Activity:** Learn about the social behavior of dinosaurs.
- **Sensory Play:** Use the weighted dinosaur plush to act out social scenarios.
- **Art Activity:** Make a poster about dinosaur social structures.

Day 4: Survival Strategies

- **Science Activity:** Discuss how T-Rex and Velociraptor survived in their environments.
- **Sensory Play:** Use the dinosaur slime kit to create survival scenarios.
- **Art Activity:** Design a survival game based on dinosaur behavior.

Day 5: Fossil Discovery

- **Science Activity:** Learn about how paleontologists discover fossils.
 - **Sensory Play:** Create a fossil dig using the dinosaur slime kit.
 - **Art Activity:** Draw a map of a dinosaur dig site.
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Grades 5-6 (Ages 10-12)

Week 4: Dinosaur Ecology and Extinction

Objectives:

- Understand the ecological roles of T-Rex and Velociraptor.
- Learn about the theories of dinosaur extinction.

Materials:

- Dinosaur research materials
- Weighted dinosaur plush
- Dinosaur slime kit
- Science experiment supplies

Activities:

Day 1: Ecosystem Roles

- **Science Activity:** Discuss the roles of T-Rex and Velociraptor in their ecosystems.

- **Sensory Activity:** Use the weighted dinosaur plush to explore different ecological roles.
- **Art Activity:** Create an ecosystem map featuring T-Rex and Velociraptor.

Day 2: Predator-Prey Relationships

- **Science Activity:** Study the predator-prey relationships involving T-Rex and Velociraptor.
- **Sensory Play:** Use the dinosaur slime kit to create predator-prey scenarios.
- **Art Activity:** Make a food web that includes T-Rex and Velociraptor.

Day 3: Extinction Theories

- **Science Activity:** Learn about different theories of dinosaur extinction.
- **Sensory Activity:** Use the weighted dinosaur plush to discuss the impact of extinction events.
- **Art Activity:** Create a timeline of extinction events.

Day 4: Fossil Evidence

- **Science Activity:** Study the fossil evidence of T-Rex and Velociraptor.
- **Sensory Play:** Use the dinosaur slime kit to make fossil replicas.
- **Art Activity:** Design a museum exhibit about T-Rex and Velociraptor.

Day 5: Conservation Lessons

- **Science Activity:** Discuss what we can learn from dinosaurs about conservation.
- **Sensory Activity:** Use the weighted dinosaur plush to explore conservation concepts.
- **Art Activity:** Create a conservation poster inspired by dinosaurs.

This curriculum offers a hands-on, sensory-rich approach to learning about dinosaurs, tailored to engage tactile learners and accommodate various age groups. The weighted dinosaur plush and dinosaur slime kit provide interactive and calming sensory experiences throughout the lessons.