

**Unit Title:** Dinosaurs: Triassic , Jurassic, and Cretaceous.

**Grade Level:** 3

**Subject Area:** Natural Science

**Duration/Length/Number of class periods:** 7 days

**Description:** Students will be learning about the three time periods dinosaurs lived: Triassic, Jurassic, and the Cretaceous

**Established Goals:**

- Learn the 3 periods that dinosaurs lived.
- Natural forces.
- Animals that make each time period distinct.

**What Enduring Understandings are desired?**

- Why animals in a given time period were different sizes;
- The theories on dinosaur extinction.
- What forces change the landscape?

**What Essential Questions will be considered?**

- Why are marine life forms more common in certain periods?
- Why are some animals larger?
- Why did they all die in a short period of time(theories)?

**Students will know / be able to:**

Talk about different theories of how the dinosaurs died and the differences of life forms during each of the 3 time periods.

<b>Description</b>  <i>Units must include at least one of each formative, summative, introductory activity and learning activity. Check the appropriate box; one per row.</i>	<a href="#">Fo</a> <a href="#">r</a> <a href="#">m</a> <a href="#">a</a> <a href="#">t</a> <a href="#">i</a> <a href="#">v</a> <a href="#">e</a>	<a href="#">S</a> <a href="#">u</a> <a href="#">m</a> <a href="#">m</a> <a href="#">a</a> <a href="#">t</a> <a href="#">i</a> <a href="#">v</a> <a href="#">e</a>	Intr odu ctor y Acti vity	Lea rnin g Acti vity	Stu den t Tec hno logy Use d	Teac her Tec hno logy Used	<a href="#">I</a> <a href="#">S</a> <a href="#">T</a> <a href="#">E</a> <a href="#">S</a> <a href="#">t</a> <a href="#">a</a> <a href="#">n</a> <a href="#">d</a> <a href="#">a</a> <a href="#">r</a> <a href="#">d</a> <a href="#">s</a>
During introduction students will be asked about their knowledge of the subject.	<b>X</b>						
End of unit students will receive a multiple choice exam.		<b>X</b>					
During introduction visual props are to be used.			<b>X</b>				
Videos, worksheets , and a field trip to the MN Science Museum.				<b>X</b>			
Seesaw					<b>X</b>		
Seesaw, Virtual Field Trips, YouTube Educational Videos						<b>X</b>	
Creative Communicator							<b>1.6</b>

<p><b>Materials, tools and resources:</b></p> <ul style="list-style-type: none"> <li>- Pencil</li> <li>- Paper</li> <li>- I-pad (with links to videos)</li> <li>- photos\pictures\posters(visual props)</li> <li>- Books-various titles</li> <li>- Worksheets</li> <li>- glue</li> <li>- scissors</li> <li>- crayons\colored pencils</li> <li>- SEESAW: all posting on class bulletin boards will be sent to parents via SEESAW.</li> <li>- Virtual Field Trip :  <a href="https://www.google.com/url?q=https://my.matterport.com/show/?m%3D7f7dLG3jXQa&amp;sa=D&amp;source=docs&amp;ust=1659548483136582&amp;usg=A0vVaw2o5spGx-XX6Ug3Sczs3vKn">https://www.google.com/url?q=https://my.matterport.com/show/?m%3D7f7dLG3jXQa&amp;sa=D&amp;source=docs&amp;ust=1659548483136582&amp;usg=A0vVaw2o5spGx-XX6Ug3Sczs3vKn</a> </li> <li>- Science Museum of Minnesota: <a href="https://new.smm.org/">www.https://new.smm.org/</a></li> <li>- <a href="https://scenicstates.com/best-dinosaur-museums-in-the-us/">https://scenicstates.com/best-dinosaur-museums-in-the-us/</a></li> </ul>
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**Unit Plan Author** Andrew Perovich, Jackson Elementary

**Additional credit given to:** MN Science Museum; Department of Paleontology


### Day-to-day lesson plan

This unit will last 7 days. 5 days will be devoted to the periods dinosaurs; Triassic, Jurassic, and Cretaceous. The last 2 days are for reviewing the unit information, virtual field trip, and a live field trip to the Minnesota Science Museum.


#### Day 1 introduction to the three time periods.

- **Large group discussion** - I will start by asking students about their knowledge on dinosaurs. They will have an opportunity to share what they know or their interests on the subject.
- **Visual aid:** posters and drawings I have created.
- **Video(Age of reptiles in 3 acts)** [https://www.youtube.com/watch?v=ZoHO3fAj\\_78&t=2s](https://www.youtube.com/watch?v=ZoHO3fAj_78&t=2s)
- **Activity:** write something they learned, coloring sheets, and a cut and paste project.

#### Day 2: Triassic period

- **Large group discussion**
- **Visual aids:** posters, drawings, and pictures.
- **Video:**  The Evolution of Life part 8 : Triassic
- **Pick animal and complete research sheet:** Research will utilize all resources such as I-Pad, Books, and posters. The finished research paper will be posted on the bulletin board.
- **Drawing the plant or animal of choice then cut it out and paste it to the time period collage.**


#### Day 3: Jurassic period

- **Large group discussion**
- **Visual aid:** posters
- **Video:**  Archaeologist: Jurassic Life - Puzzle and Painting Game for Kids, Learn About Dinosaurs
- **Pick animal and complete research sheet:** Research will utilize all resources such as I-Pad, Books, and posters. The finished research paper will be posted on the bulletin board.
- **Drawing your plant or animal then cut it out and paste it to the time period collage.**

#### Day 4: Cretaceous

- **Discussion**
- **Visual aid:** posters
- **Pick animal and complete research sheet:** Research will utilize all resources such as I-Pad, Books, and posters. The finished research paper will be posted on the bulletin board.
- **Drawing the plant or animal then cut it out and paste it to the time period collage**

### **Day 5: Theories on dinosaur extinction**

- **Discussion**
- **Visual aid:** posters
- **Video:**  Why the Dinosaurs' Extinction is an Ongoing Puzzle | Nat Geo Explores
- **Writing:** students will give a brief summary on what extinction theory makes the most sense to them. These will be posted on the wall and a large group discussion will follow

### **Day 6: Virtual Field Trip with large group discussion**

<https://www.google.com/url?q=https://my.matterport.com/show/?m%3D7f7dLG3jXQa&sa=D&source=docs&ust=1659548483136582&usg=AOvVaw2o5spGx-XX6Ug3Sczs3vKn>

### **Day 7: Field Trip to MN Science Museum**

Field Trip focusing on paleontology