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# Exploring the History of Ancient Athens

## with 3D Models of the Parthenon



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# INTRODUCTION

## Definition

**This lesson plan uses 3D models to engage students in learning about the historical and cultural significance of the Parthenon, an iconic symbol of ancient Athens.**



# Understanding the Parthenon

## Iconic Symbol

The Parthenon was a temple dedicated to the goddess Athena, the patron deity of Athens.

## Architectural Masterpiece

The Parthenon is renowned for its Doric columns, pediments, and intricate friezes.

## Cultural Significance

It served as a symbol of Athenian power, wealth, and cultural superiority in the ancient world.





# The Golden Age of Athens

## Democracy

Athens was a leading example of democracy in the ancient world.



1

2

3

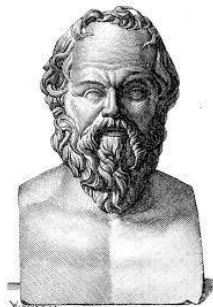
## Cultural Achievements

Athens excelled in art, architecture, and literature during the 5th century BCE.



## Philosophy

Athens was home to influential philosophers like Socrates, Plato, and Aristotle.



# Exploring the Parthenon in 3D



## Architectural Elements

Students can examine the Parthenon's Doric columns, pediments, and intricate friezes.



## Symbolic Decorations

The sculptures and decorations on the Parthenon reflect Athenian culture and beliefs.



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# Analyzing Primary Sources

## Herodotus

Students can explore excerpts from the writings of the ancient Greek historian Herodotus.

## Plato

Writings by the philosopher Plato provide insights into Athenian society and politics.

## Artifacts

Analyzing ancient Athenian artifacts, such as pottery and coins, reveals daily life.



# Connecting to the Past

1

## Reflection

Students reflect on the Parthenon's significance and how it reflects Athenian values.

2

## Comparison

Students compare the Parthenon to other ancient temples from different civilizations.

3

## Modern Interpretations

Students explore how the Parthenon is represented in literature, art, and popular culture.



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# Engaging with 3D Models



## Exploration

Students can virtually explore the Parthenon's architecture and features.  
(<https://www.britannica.com/topic/Parthenon>)



## Analysis

3D models allow students to closely examine the Parthenon's design and symbolism.  
(<https://theconversation.com/blowing-up-the-parthenon-the-power-of-a-symbol-100826>)



## Visualization

3D models help students visualize the Parthenon's grandeur and historical context.





# Lesson Outcomes



1

## Understand Significance

Students will grasp the historical and cultural importance of the Parthenon.

2

## Analyze Primary Sources

Students will examine ancient texts and artifacts to learn about Athenian life.

3

## Engage with 3D Models

Students will use 3D models to explore the Parthenon's architecture and symbolism.

# ACTIVITY Step 1

## Thingiverse

- With your browser go to the Thingiverse website

## Search

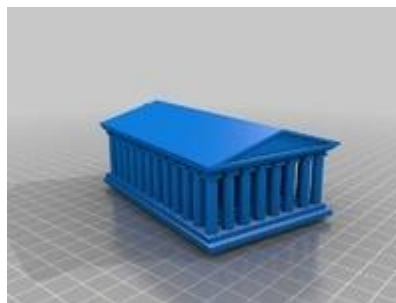
- Search for “Parthenon” models

## Choose

- Choose the parthenon\_1.stl model of the Utechlab

## Download

- Download the files provided



# ACTIVITY Step 2

Step 4

Upload the files on the 3D printer

Step 5

Print all the elements

Step 6

In the same way, print the maps that in this address and add Parthenon on the correct spot  
<http://www.thingiverse.com/thing:1002482>



# ACTIVITY Step 3

Visit

the following  
link:

<https://architecturecompetitions.com/the-3-orders-of-ancient-greek-architecture>

Download  
pictures of  
the 3  
kinds of  
columns

Compare  
them with  
the  
Parthenon  
columns

Which  
resembles  
to the  
Parthenon  
columns?



**THANK YOU FOR  
YOUR TIME**

