

# Statue of David3D

Teaching Art History, World Treasures, and History through 3D simulation

## Lesson

Teaching Art History, World Treasures, and History through 3D simulation

## Objectives

1) Students will gain a basic understanding of the Statue of David through 3D simulation and visualization

2) Students will gain a deeper understanding of global importance of the Statue of David

## Activity

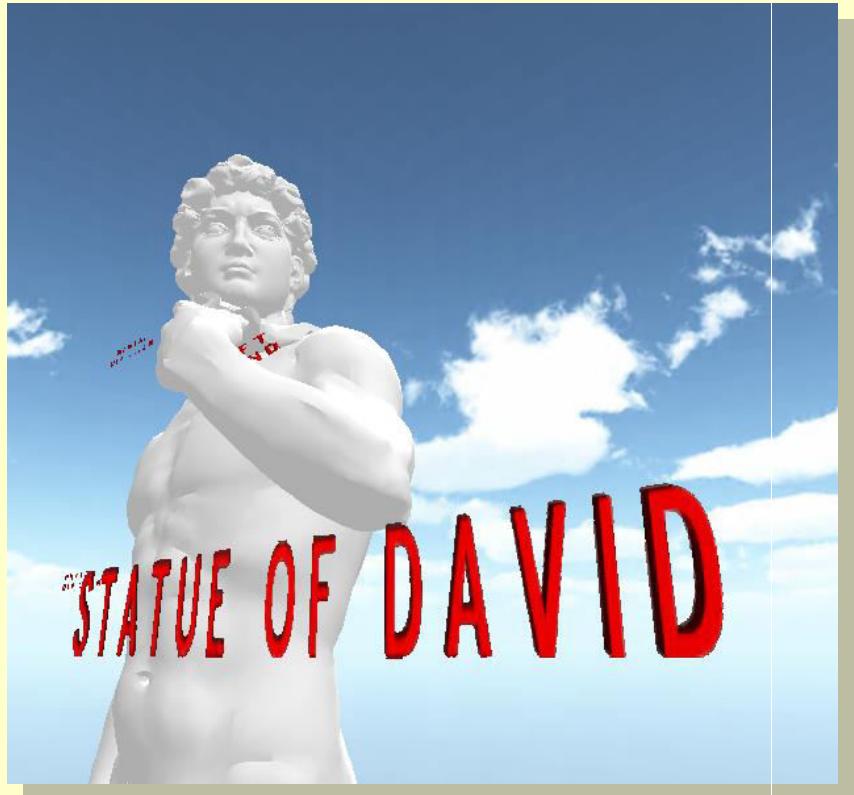
Students travel around the Statue of David in real-time 3D, helping them to visualize and understand its significance and location.

## Materials

**Statue of David3D Homepage**

(click or cut and paste URL into browser)

<http://www.sunrisevr.com/statueofdavid3d>




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## 3D Simulation and Investigation

3D simulations are designed to make subject matter more engaging to today's technology-savvy kids, and help them bridge the gap between the "concrete" world and the abstract world of concepts. When students experience complex subject matter in real-time 3D it becomes clearer. Students learn best when they are actively immersed in subject matter from a variety of different viewpoints; 3D simulation is designed to help students visualize difficult ideas and objects through investigation at any scale (atomic, cellular, planetary, conceptual, etc), and doing things that would normally be impossible.

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## Required Technology

- PC/Tablet

## Optional Technology

- Projector
- Multiple Computers
- Internet Connection

## Grouping

- Large Group Instruction
- Small Group Instruction

## Staging

Check computer/tablet for Internet access if needed

## Procedure

- 1) Access program
  - 2) Pick a lead student navigator to control movement through the 3D environment
  - 3) Pick a lead student reader to read information about the Statue of David as it appears on-screen
  - 4) Begin the lesson by asking students what they already know about the Statue of David; write responses on the board
  - 5) Review basic facts about the Statue of David including:
    - The Statue of David is was made by Italian artist Michelangelo between 1501 and 1504
    - The Statue of David is one of the world's most famous and treasured works of art
  - 6) Start traveling through the program, facilitate discussion by asking where the class should go
  - 7) Use the 3D simulation as a visual aid; explain information as needed
  - 8) Have students pay special attention to:
    - Contraposto
    - Marble
  - 9) Have a final wrap-up with students with a question and answer period about the Statue of David. Ask them where it is located, who made it, and why it is important.
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## Optional Activity: 3D Scavenger Hunt + Discussion

Have students find a particular part of the Statue of David, such as the right hand. If students are on multiple computers, have them “race” to the part of the building the teacher wishes to highlight. Once students find/arrive at the location, the teacher may commence discussion. Repeat in other areas of the simulation as desired to build understanding.

## Homework/Review

Students may also access the program outside the classroom to supplement textbook questions

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## Functional Notes

1. The program is available on multiple platforms
2. If using the program online, please ensure the Unity3D Player is installed on the computer; through the Internet Explorer Browser; download the latest at <https://unity3d.com/webplayer>.
3. If you see something in **red** you can probably click on it
4. For ease of use you can go through most 3D objects, and even the ground
5. The school library can request and access programs (free) at [www.sunrisevr.com](http://www.sunrisevr.com) for off-line use via PC and Mac if there is no internet connection