

## OBJECTIVE

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Students will use Organon3D to review parts of the skeleton, including the cranium, auditory ossicles, thoracic cage, nasal septum, and vertebral column.

## MATERIALS

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- Oculus Rift
- xBox controller
- Copies of the “Cranium and More” document

## SYNOPSIS

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Organon3D is a VR experience that is focused on identifying and locating anatomical features. It is a highly detailed program that offers the ability to hide muscles, connective tissue, cartilage, or bones to provide a better view of individual features.

The purpose is meant as a review to the unit on the cranium, vertebral column, auditory bones, and thoracic cage. During the activity, students will explore, locate, identify, and describe bone structures associated with these parts of the body.

## TIMELINE

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This activity is designed to take be completed in 2-45 minute sessions. The purpose is meant as a review before a test on previously learned material.

## OPTIONAL REINFORCEMENT ACTIVITIES

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We will also provide the following materials:

- A Quizlet with the anatomical terms featured in this experience which can be shared to assist students with acquisition of required knowledge for this unit.

**Before Day 1**

- Make copies of the “Cranium and More” packet.
- Pair students. Grouping them with someone they will work with is helpful.

**Days 1-2**

- Introduction to the activity is given by the instructor
  - Cover the main objectives.
  - Encourage students to not “let their partner off easy”. Have them make sure their partner knows the material before checking off on it.
  - Emphasize the need for communication between the person in the headset and the person outside the headset.
- Once both partners have completed the activity, have them go back and mix up the order of items they need to find and identify.

**Day 3**

- Students will complete exam over material.
- Complete the feedback survey in Google Forms.



# TIMELINE

SUGGESTED SEQUENCE

## STANDARDS

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### Anatomy (9-12)

- **Skeletal System**
  - Identify the various vertebrae and explain their differences
  - Identify the subdivisions of the skeleton
  - Identify the bones in the body and name them on a diagram or model
  - Identify the functions of the skeletal system