

Skull Bones Lab: Lesson Plan

Resources

Required resources for students:

- Visible Body Suite
- Lab activity worksheet

Additional resources for students and teachers:

- This lesson assumes that students have a basic understanding of the skull bones. They can read the articles on this page for an introduction to the skull bones:
<https://www.visiblebody.com/learn/skeleton/axial-skeleton#skull-bones>
- Blog post on skull anatomy: <https://www.visiblebody.com/blog/facts-about-skull-anatomy>

Objectives

At the end of this lesson, students should be able to:

1. Distinguish facial bones and braincase bones.
2. Describe the location of different skull bones.
3. Describe the skull bones that make up the orbit of the eye.

In their answers, students will name the following structures: Frontal bone, parietal bone, occipital bone, temporal bone, sphenoid bone, ethmoid bone, vomer, mandible, inferior nasal conchae, nasal bone, maxillae, palatine bone, zygomatic bone, and lacrimal bone.

Introduction

10 minutes: Use Visible Body Suite, as well as the articles referenced in the additional resources section above, to give students a brief introduction to the different types of bones in the skull. Distinguish between the facial skeleton and the bones that make up the braincase.

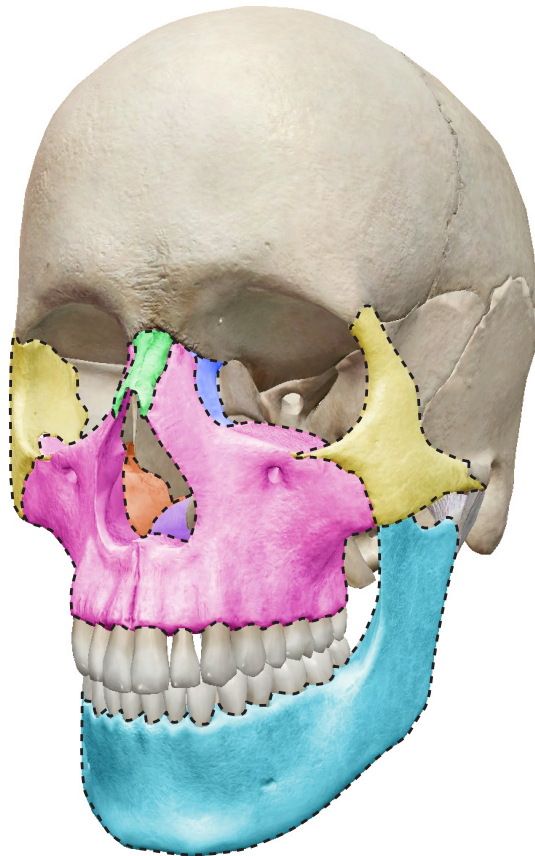
Student Activities

30 minutes: Have your students complete the five activity worksheets in this lesson. Check their work using the answer key.

If you're doing this activity in class, you can use these five images to create stations.

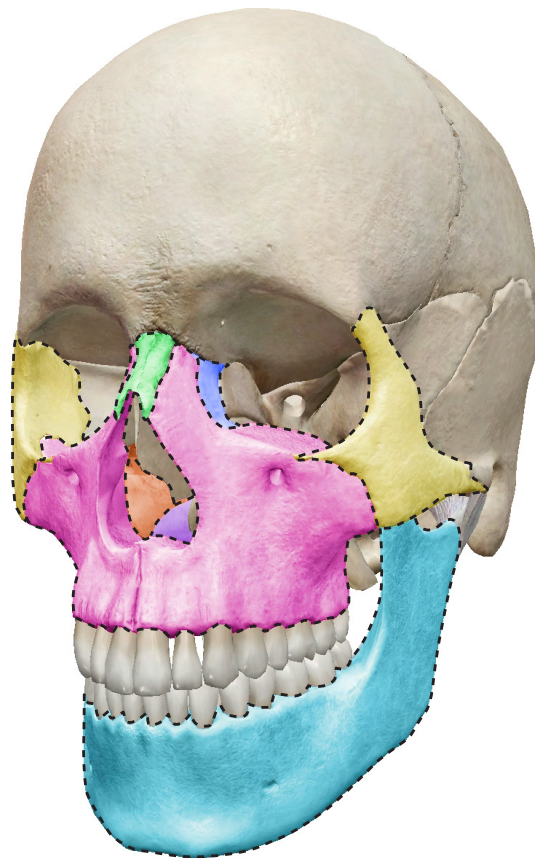


Activity 1: Skull Bones Lab



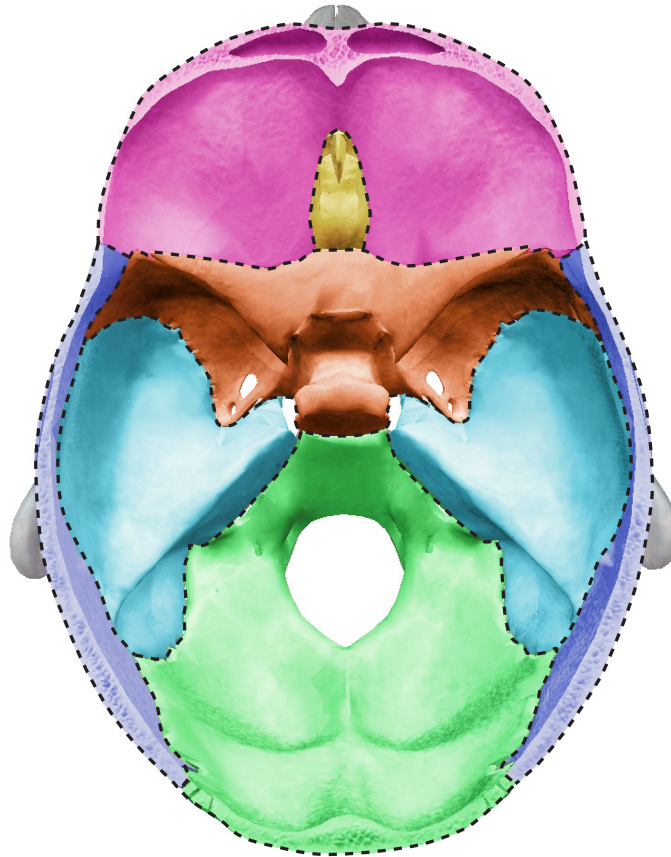


Activity 2: Skull Bones Lab



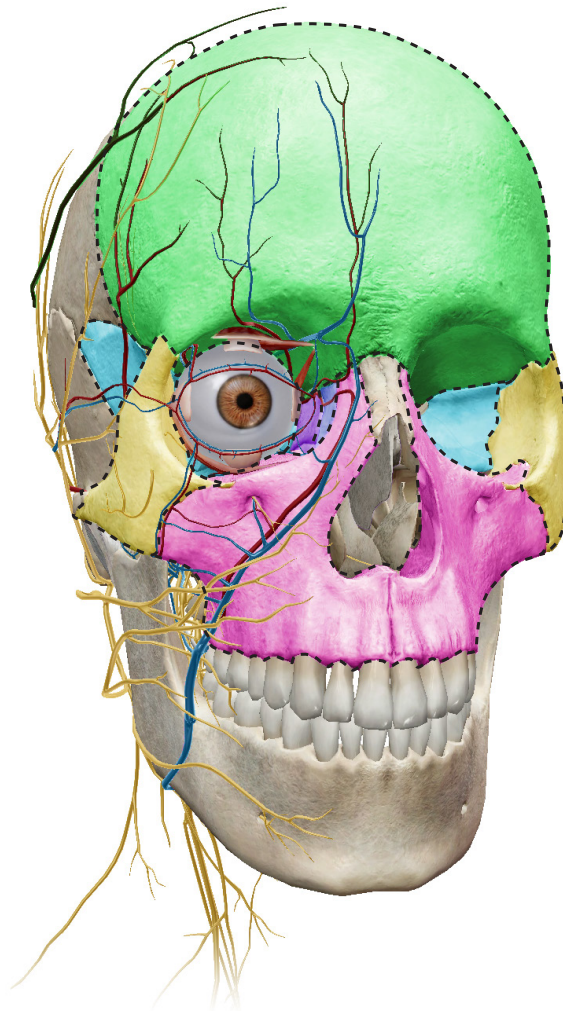


Activity 3: Skull Bones Lab





Activity 4: Skull Bones Lab





Activity 5: Skull Bones Lab

