

Axial Skeleton

Students will learn to identify the different bones and markings of the axial skeleton. Most of their time should be spent practicing these names and markings and quizzing one another.

Case Study – Car Accident Woes (students work in pairs)

Please be sure they answer the questions on the case study before proceeding with the lab. They will use the information of the fractured jaw and thoracic cage as a way to learn the markings (and the importance of knowing this terminology and knowing it well).

Activity 1- Bone Marking Terminology (students work as a group)

Students will use the skull models to identify the bones and markings on the skull. They can use the pre-printed labels. Just please make sure they return them to the correct spots in the folder. When they are done, have them show this to you. You can even give them a mini quiz on the bone names.

Materials: laminated image packet, fine point dry erase marker (4 per tray), dry eraser (1 per tray)

Activity 2- Bones and Bone Markings of the Skull (students work as a group)

Make sure students are careful with the fetal skulls as they are fragile. They will need to stick the labels on the adult skull and the labels for the fetal skull carefully. Be sure to check their labels and sign the workbook.

Materials: fetal skull (keep in the box), adult skull, binder of laminated terminology labels

Activity 3- Bones and Bone Markings of the Vertebral Column (students work as a group)

Using a box of disarticulated bones and an articulated skeleton per table, students should work together and take turns quizzing one another. Students will use the box of bones, the articulated skeleton, and vertebrae and a string at their lab tables to identify the bones and markings of the vertebral column. They will need to refer to their terminology checklist to see which bones they will be responsible for learning. Please be sure they remove the labels and place them back where they belong.

Materials: 1 adult articulated skeleton at each table, 1 box of disarticulated bones

Materials in trays: binder with laminated terminology labels

Activity 4- Vertebral Column and Thoracic Cage (students work as a group)

Using a box of disarticulated bones and an articulated skeleton per table, students should work together and take turns quizzing one another. Students will use the box of bones, skeletons, and vertebrae and a string at their lab tables to identify the bones and markings of the vertebral column. They will need to

BIO141-Human Anatomy and Physiology I | 2023

Axial Skeleton

refer to their terminology checklist to see which bones they will be responsible for learning. Please be sure they remove the labels and place them back where they belong.

Materials: adult skeleton at each table, boxes of bones (groups will bring these back to their tables)

Materials in trays: binder with laminated terminology labels

Lab Clean-up Instructions

Students must clean the lab benches with the disinfectant solution. All bones must be placed back in the bone boxes and skulls placed back in the trays. Please be sure students remove ALL labels from the models and place them back on the correct slot on the terminology sheets. Please check this before you leave and hold students responsible for keeping the lab and lab trays neat and tidy. Thanks for your help.