

UNIT 4 - SKELETAL SYSTEM

ACTIVITY - The Bone Connection (Introduction)

Objectives:

1. The student will discuss the functions of the human skeletal system
2. The student will name bones in the human skeletal system and at least one function of each.

Materials:

1. rag doll, a doll with a stand, a model of a skeleton
2. rolled note paper and rubber band; book

Strategy:

1. Ask students to give the purpose of the framework of a house. Acts as a support for the house.
2. Ask students to explain the system in the human body that has a similar function: The skeleton
3. Show the students a rag doll and a doll supported by a stand. Ask them why is it that the rag doll can not sit up, but the doll supported by the stand can and why they can sit up in their seats? The skeletal system supports the human body and the stand supports the doll, but the rag doll has no support system.
4. Ask the students to identify the number of bones in the human skeleton.
5. The body has similar bones, with different function, example: arm and leg bone (humerus) is similar to the leg (femur) but they have different functions.
6. Have the class move their finger over their skull. Ask if any one can think of the function the skull serves.
7. Give some background information on the long bone of the leg, include that it provides the greatest possible strength with the least possible weight. Roll a piece of note paper and secure it with a rubber band and place a book on top of it. To show how the legs support the body weight.
8. Pass out the skeleton and let the student assemble it, label the parts and give the function of each.