Human Body

**Section 1: Counting Bones Investigation #1**

**Grade: 5th**

**Time: 2-** 50 minutes sessions

**Authors:** Lannie Jones, Connie Adamo, Florence Jennings

**Hook:** Jumping Rope

**Story:** The human body is an amazing machine that is designed to do amazing thing. Many body parts come into action when we preform different movements. When jumping rope watch closely to see which parts of his or her body come into action.

**Big Idea/ Focus questions**: What parts of the body do you move when jumping rope?

**Big Idea:** Explore and find out how many bones are in the human skeleton system

**Prior knowledge**: Jumping rope

**Material**: Jump rope, science notebook, Skeleton Photo #1 and #8, and counting bones record sheet

**Objective:** Have students focus on the Skeleton System, and count the bones in different parts of the body.

**Procedure:**

* Write the Focus Question in science notebook
* Jump rope several times for at least 30 seconds
* Record their observation of what body parts are moving
* Chart students observations and add to it
* Class discussion about how many bones are in the body
* Divide the body into 4 subsystem: students will count and record how many bones are in the human body

Leg (including foot)

Arm (including hand)

Head or skull (not the neck)

Torso (including neck, shoulders, and hips)

* Using the Skeleton photo and the counting bones sheet students record the number of bones in each part.
* Use the skeleton subsystem posters #8

**Suggested Lesson Extension:**

Extension: Use [www.fossweb.com](http://www.fossweb.com) Activity Mr. Bone Grades: 3-6