

Name(s): _____

Long Bone Building Activity

You are to create an anatomically correct model of a long bone. You will have a variety of resources available to you such as scissors, tape, construction paper, straws, beads, cotton balls, rope/string, and markers. The following structures need to be present in your model:

- **osteons, compact bone, spongy bone, blood vessels in the medullary cavity, red marrow, yellow marrow, endosteum, epiphyseal plates, articular cartilage, epiphysis, diaphysis, and periosteum.**
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Level 3: Provide a verbal description of the model. Justify materials used to represent specific features.

Level 4:

- Which features of the model were most challenging to incorporate. Why?
- What, if any, structures are left out of the model? Why?
- Discuss at least one limitation of seeing a long bone model in isolation (by itself, outside the body)

	1 - Beginning	2 - Developing	3 - Proficient	4 - Excelling
Standard 2: Developing and Using Models	Does not design a model to explain a scientific phenomena.	Designs a model based on observed phenomena	and explains and demonstrates its function	and/or evaluates its accuracy and limitations. and/or accurately apply a cross cutting concept to model