

# Build a Brain

## Evaluation Rubrics for Hands-On Activities

Laura L. Carruth, Kyle J. Frantz and Melissa K. Demetrikopoulos  
Center for Behavioral Neuroscience & Institute for Biomedical Philosophy

### **BUILD A BRAIN CONTENT RUBRIC:**

STRUCTURE	INCLUDED STRUCTURE	CORRECTLY IDENTIFIED STRUCTURE	CORRECTLY IDENTIFIED FUNCTION	ELABORATION
CORTEX/FOREBRAIN				
FRONTAL LOBE				
PARIETAL LOBE				
OCCIPITAL LOBE				
TEMPORAL LOBE				
PRE-FRONTAL CORTEX				
CEREBELLUM				
BRAIN STEM				
PONS				
MEDULLA				
HIPPOCAMPUS				
MIDBRAIN				
CORPUS CALLOSUM				
OLFACTORY BULB				
PITUITARY GLAND				
CONVOLUTIONS				
OTHER				

Students receive one point for each item above and can receive up to 4 points for the overall holistic rating of their presentation. Content rubric can be modified to match brain structures focused on in lesson.

### **BUILD A BRAIN HOLISTIC SCORING RUBRIC:** (modified from Brown and Shavelson)

**Outstanding Rating=4.** Student gives complete descriptions that make logical sense; provides both detailed and specific comparisons; rationale is clearly stated; thinking process is evident. The brain is accurately assembled.

**Good Rating=3.** Student gives complete descriptions; comparisons may be less detailed; rationale is consistent; shows a thinking process. The brain is assembled reasonably.

**Satisfactory Rating=2.** Student gives incomplete or simplistic descriptions; rationale is not consistent. The brain is assembled reasonably.

**Serious Flaws Rating=1** Student gives answers that are not complete or understandable; rationale is not consistent; gives a lot of wrong answers. The brain is not assembled reasonably.

**No Attempt Rating=0**

## **BUILD A BRAIN PRESENTATION RUBRIC:**

Organization	Student presents information in a logical interesting sequence which audience can follow.
Creativity	Student's brain model is visually interesting and highly original.
Elocution	Student uses a clear voice and correct, precise pronunciation of terms so that all audience members can hear the presentation.

Students receive 0-4 points on each of the above areas.

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Brown, J.,H., and Shavelson, R.J. Assessing Hands-On Science: A teachers Guide to Performance Assessment Corwin Press, Thousand Oaks California, 1996.