



Start Date: May 26, 2026

Submission Deadline: August 3, 2026 (First Day of School)

Grade Posting Date: August 28, 2026

Student Direction: [Click here to access the guidelines for completing the summer task.](#)

The Task

The purpose of this project is to familiarize you with the structures of the human brain and their functions by creating a 3-D model of the human brain.

How to Do It

When making your model, the choice of materials is up to you, but it must be transported to the classroom without spilling, leaking, falling apart, or otherwise making a mess.

Possible materials include:

Styrofoam
modeling clay
papier-mâché

Feel free to be creative in the materials, as long as it's 3-D and can show the inside and outside!

Your brain must be **accurately shaped** and **properly labeled**.

VERY IMPORTANT!

Since you must be able to accurately label the entire brain, it will need to "split open" in some way to allow us to see the interior structures of the brain.

Parts of the Brain to Label

The following structures on your brain must be labeled:

- | | | | |
|------------------------|----------------------|---------------------|--------------------------|
| 1. medulla | 6. hypothalamus | 11. left hemisphere | 16. occipital lobe |
| 2. pons | 7. amygdala | 12. cerebral cortex | 17. motor cortex |
| 3. reticular formation | 8. hippocampus | 13. frontal lobe | 18. somatosensory cortex |
| 4. cerebellum | 9. corpus callosum | 14. parietal lobe | 19. Broca's area |
| 5. thalamus | 10. right hemisphere | 15. temporal lobe | 20. Wernicke's area |