



Workshop: Intro to Nervous System

Objectives	Resources
<ol style="list-style-type: none"> 1. Introduce students to neuroscience and fundamental concepts within the discipline. 2. Become familiar with basic terminology related to the nervous system including brain structures and neurons. 3. Practice portions of the neurology exam to understand hands-on techniques used by medical practitioners to assess patients. 4. Apply skills and knowledge through mock patient diagnosis activity. 	<ul style="list-style-type: none"> ➤ 03 - Sheep Brain Dissection: remove Dura ... ➤ Intro to Neuroscience from University of Washington ➤ Teacher Support Material for Neuroscience

Activities	
Warm-Up (5 min)	<ol style="list-style-type: none"> 1. Students will start off with an icebreaker surrounding the five senses, easing students into the material they will later explore. Example questions include: <ol style="list-style-type: none"> a. Would you rather lose your sense of sight or your sense of hearing? Why?
The Parts of the Brain (5 min)	<ol style="list-style-type: none"> 1. Begin with trivia question about number of lobes in human brain. <ol style="list-style-type: none"> a. Have students consider potential answer options and then reveal the answer. 2. Discuss the four lobes of the brain, ensuring students understand their differences in anatomy and function 3. Review the parts of the brainstem (medulla, pons, midbrain) 4. Overview of cerebellum 5. Overview of the parts of the neuron
The Parts of a Neuron (5 min)	<ol style="list-style-type: none"> 1. Dendrites 2. Cell body 3. Axon
Sheep Brain Dissection (30 min)	<ol style="list-style-type: none"> 1. Orientation 2. Dura Mater <ol style="list-style-type: none"> a. Follow along with Video #1 on cutting the dura mater



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	<ol style="list-style-type: none">3. Parts of Brain - Follow along with Video #2 on performing the dissection.<ol style="list-style-type: none">a. 0:25 - introductionb. 3:17 - lobesc. 5:42 - midsagittal structures & ventriclesd. 7:16 - corpus callosume. 8:50 - thalamusf. 10:55 - midbrain, pons, cerebellumg. 13:32 - cranial nerves
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Evaluation	Reflection
	<ol style="list-style-type: none">1. What did you find most interesting about the nervous system?2. What else do you want to learn about the nervous system?