

Health Smart Virginia - Sample Lesson Plan Grade 8 Body Systems

Nervous System - The Brain

SOLs:

- Identify and explain health concepts to demonstrate an understanding of personal health.
- Identify and describe the major structures and functions of the brain and the nervous system

Unit Title: The Brain

Objectives/Goals:

- The student will be able to:
 - o Name and identify the major structures of the brain,
 - o Identify the protective structures surrounding the brain,
 - Label a diagram of the brain,
 - o Describe the major disease and injuries affecting the brain,
 - o Explain how to maintain a healthy brain

Materials:

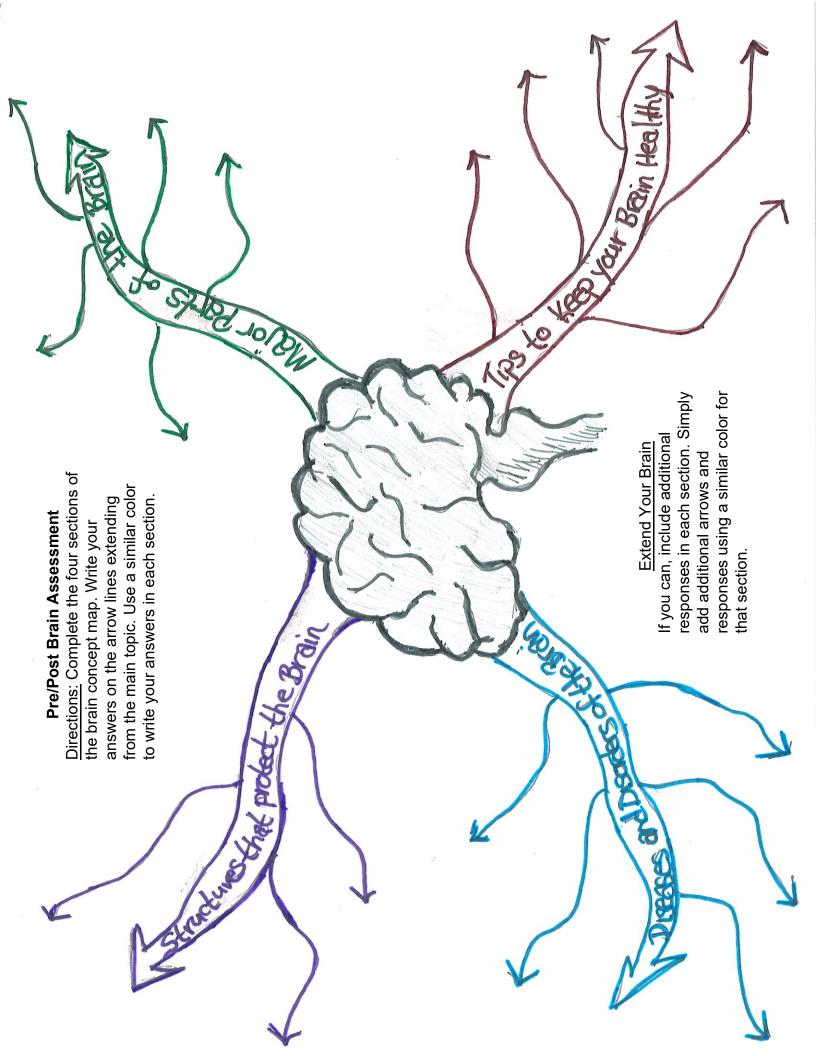
- Brain Power Point
- Blank paper
- Color pencils
- Copy of the power point study guide

Procedure:

- **Introduction:** Students will complete the Brain concept map preassessment diagram.
- **Instruction:** Teacher will review with students the Brain power point presentation,
- **Guided Practice:** Students will complete the power point study guide during teacher presentation.
- **Independent Practice:** Students will create a drawing of the brain and it's major components including the names of the major anatomical components and their functions.
- Students will label each component with a different color and write the anatomical function with the same color.
- Students will create a summary paragraph explaining how to maintain the health of their brain and how they plan to incorporate activities to maintain their brain health.
- **Closure:** Students will complete the post assessment brain concept map activity.

Assessments, References & Sources:

- Brain power point presentation
- Brain power point study student guide hand out
- Student pre and post assessment brain concept map activity
- Student brain diagram activity
- Student brain health summary paragraph.



The Brain Power Point Study Guide



I. Define and Describe the Primary function of the:

	Parietal Lobe:
	Occipital Lobe:
	Frontal Lobe:
>	T:emporal Lobe:

	Brain Stem:							
>	Cerebellum:							
>	Cerebrum:							
IJ	. Brain Protectors: Provide a detailed definition							
>	Skull or Cranium							
>	Under lying Tissues							
>	Cerebrospinal Fluid							
III. Brain Diseases: Describe symptoms of:								
>	Meningitis:							
>	Encephalitis:							

	Parkinson's Disease:	
>	Brain Abscess:	
>	Alzheimer's Disease:	
>	Epilepsy:	
>	Stroke:	
>	Brain Tumor:	
>	Autoimmune Conditions:	
>	Lou Gehrig's Disease:	

IV.	mechan	Injuries: ism of ir nd recove	njury, sig			_	
≻ Tr	raumatic B	rain Injury	_				
> Co	oncussion	_					
> Sy	ymptoms (of a brain ir	njury -				
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