This week we are continuing in the nervous system unit. There will be one presentation and two corresponding assignments to complete over the course of the week. You are responsible for viewing the presentation and completing each assignment.

Carefully read this document and follow the directions to complete the assignments.

Assignment 1: The Central Nervous System

Why am I doing this? Understanding the structures of the nervous system is important when trying to understand how an animal acts and behaves.

Standards:
15.02.10 Identify the general function of the nervous system and the major organs

Objectives:
1. Identify the structures of the central nervous system.
2. Explain the functions of the structures of the central nervous system.

You will need:
1. This document
2. "Nervous System Structures" Google Slides presentation

Directions:
1. View the "Nervous System Structures" presentation.
2. Add your name and class period to the top of the next page.
3. Observe the actions of your pet (or sibling or parent) for at least 5 minutes, recording their actions.
    a. Complete the corresponding table.
4. Complete the parts and functions table using information from the presentation.
5. **Complete the assignment on the following pages.**

****While assignments should be completed by the end of the week, paper copy assignments are due after the unit test which will be around April 24th. (Date is tentative and could change). Students should keep the assignments to help in studying.**

Turn in this document when all assignments are complete! ***Due Friday, April 24th**.***

Assignment 1: The Central Nervous System

Name:
Period:

Observe a Pet

Set a timer for 5 minutes and observe the actions of a pet. (A sibling, parent, or yourself would work, too) Write down **at least 10 actions** they perform in the 5 minutes - breathing and thinking counts.

Action	**What part of the brain do you think directed that?**

Turn in this document when all assignments are complete! ***Due Friday, April 24th**.*

Parts and Functions

Organize information from the presentation into the following table. Include what you think would happen to an animal if that structure was damaged (you may have to make an educated guess).

Part	**Function**	**What if it was damaged?**
Brain		
Cerebrum		
Cerebellum		
Brain Stem		
Medulla Oblongata		
Midbrain		
Spinal Cord		
Tracts		

Turn in this document when all assignments are complete! ***Due Friday, April 24th**.*

Assignment 2: The Peripheral Nervous System

Why am I doing this? Understanding the structures of the nervous system is important when trying to understand how an animal acts and behaves.

Standards:
15.02.10 Identify the general function of the nervous system and the major organs

Objectives:
1. Identify the structures of the peripheral nervous system.
2. Explain the functions of the structures of the peripheral nervous system.
3. Illustrate the central and peripheral nervous systems within an animal.
4. Create a storyline describing an animal's nervous system in action.

You will need:
1. This document
2. "Nervous System Structures" Google Slides presentation
3. Drawing supplies

Directions:
1. Refer back to the "Nervous Systems Structures" presentation.
2. Add your name and class period to the top of the next page.
3. Complete the parts and functions table using information from the presentation.
4. Illustrate the structures of the nervous system by completing the "Illustrate" section.
5. Create a storyline describing the nervous system in action by completing the "Scenario" section.
6. **Complete the assignment on the following pages.**

Turn in this document when all assignments are complete! ***Due Friday, April 24th**.*

Assignment 2: The Peripheral Nervous System

Name:
Period:

Parts and Functions

Organize information from the presentation into the following table. Include whether that part falls under one of the other parts (the presentation slides will help).

Part	**Function**	**Part of the...**
Cranial Nerves		
Spinal Nerves		
Dorsal Root		
Ventral Root		
Autonomic Nervous System		
Sympathetic System		
Parasympathetic System		

Illustrate

Now that you've learned about all of the major structures of the nervous system, illustrate how they would appear in an animal. This should be a drawing and not a picture from the internet - be creative! Follow the directions below:

Turn in this document when all assignments are complete! ***Due Friday, April 24th**.*

Directions:

1. Gather supplies.
    a. Use what you have. Chalk and concrete, markers and poster paper (or wrapping paper could work!), paints, watercolors, or pencils and highlighters on regular paper...
2. Draw the outline of a common animal (dog, cat, horse, cow, pig, goat, sheep).
3. Illustrate the structures of the central and peripheral nervous systems
    a. Structures to include:
        - Brain
            - Brownie points for the cerebrum, cerebellum, and brain stem!
        - Spinal Cord
        - Peripheral Nerves
    b. Label the structures
4. Use different colors to distinguish the central nervous system from the peripheral nervous system.
5. Name the animal and write it beside the illustration! (puns are appreciated)
6. Provide a detailed description of your illustration below. (If you choose to draw on paper, you can include it on/with this packet.

Write description here...

Turn in this document when all assignments are complete! ***Due Friday, April 24th**.*

Scenario

Bring your new pet to “life” by creating a scenario where its nervous system is in action.

1. Make it fun!
2. The story should include the 3 types of neurons (sensory, interneuron, and motor) and the structures the impulses are traveling to.
    a. If you need inspiration, refer back to the presentation with the “tap on the shoulder” example, but use a new example.
3. The story should be at least 5 sentences long.

Start writing here...

Turn in this document when all assignments are complete! ***Due Friday, April 24th**.*