

Create a lesson plan for nervous system Include an introduction, lesson outline, questioning, assessment, differentiation and plenary. Include links to some video and worksheet resources.

Introduction

Introduce the lesson plan topic: the nervous system. Ask students to explain what the nervous system is and the roles it plays in the body. Explain the importance of learning about the nervous system, and discuss its components.

Lesson Outline

- Explain the structure of the nervous system
- Describe the 3 main types of neurons
- Explain reflex actions and describe the three stages of a reflex
- Illustrate how information is sent through nerves
- Explain the functions of the autonomic nervous system

Questioning

- What is the relationship between the brain and spinal cord?
- What are the components of the nervous system?
- What is the difference between sensory and motor neurons?
- How does the brain process information?
- How does the autonomic nervous system regulate bodily functions?

Assessment

- Questions at the conclusion of the lesson to assess student understanding.
- Group discussion about what has been learnt.
- Worksheets based on the lesson content.
- Quizzes/exams.

Differentiation

- Visual representations of the nervous system to demonstrate the different components.

- Individual support for those with additional needs.
- Pair and group activities to address different learning styles and provide support for those who are struggling.

Plenary

- Review the key points from the lesson, including the structures and functions of the nervous system.
- Question students to assess understanding and provide additional support and clarification where necessary.
- Provide students with worksheets and/or activities to reinforce the learning.

Resources

Video Resources:

- The Nervous System, a 3-Minute Tour (<https://www.youtube.com/watch?v=NUIh-OTq9Cs>)
- The Nervous System (<https://www.youtube.com/watch?v=jhmusfhJKsl>)

Worksheet Resources:

- The Nervous System Worksheet (<https://www.teach-nology.com/worksheets/sci/human/nervous/>)
- Nervous System Review Worksheet (<https://www.teacherspayteachers.com/Product/Nervous-System-Review-Worksheet-1713420>)
- The Nervous System Diagram (https://www.sciencejunkie.net/wp-content/uploads/Nervous_System-Diagram-1.jpg)