Lesson: Neuroglia Cells
Standards Addressed: SC.F.1.4.2 SC.F.1.4.6 SC.F.1.4.7

Essential Question:

Required Materials: Hole’s Human Anatomy and Physiology, bell activity transparency, lab, white butcher paper, markers, class set of handouts on neuroglial cells, and exit tickets.

Specific Objectives:
Identify, describe, and tell the function of the six types of neuroglial cells.

Bell Activity: Neuron and Synapse

Step-By-Step Procedures:
Students will complete the bell activity.
Teacher will lead a discussion of the bell activity.
Students will read the handout and criteria for group project and then teacher will answer questions.
Teacher will assign students to one of six groups. Students will create the project using butcher paper and markers.

Independent Practice/Homework: Students will create a comparison chart upon which to take notes on projects

Closure (Ending Review): Students submit an exit ticket telling what role they played in the group today.

Assessment Based On Objectives:
Objectives assessed by bell activity, chapter test, class participation, and group project.

Modifications (For Students with Learning Disabilities):
Increased time, seated in the front of the classroom, high and low level students grouped together, and oral and written directions.
NEUROGIAL CELL ADVERTISEMENT

You are an ad executive for a major marketing firm. You must create a billboard that will “sell” the type of neuroglial cell that you have been assigned. Your “billboard” will be constructed on a piece of butcher paper that is approximately five feet in length. It must include the following information about your neuroglial cell: name, part of nervous system to which it belongs, its “importance” or what it does, and an illustration. All of this information must be presented within the context of an advertising theme. For example, microglial cells have been shown going into a phone booth to change into macrophages. Your project will be scored according as follows:

CONTENT (50 POINTS)

• Name of neuroglial cell
• Part of nervous system to which it belongs
• Importance/function
• Description/illustration

CREATIVITY (30 POINTS)

NEATNESS (10 POINTS)

TEAMWORK (10 POINTS)