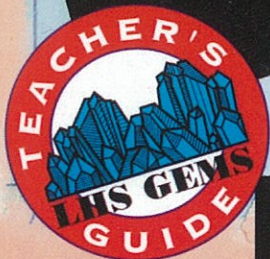


LEARNING *about*

For Grades 6-8



LEARNING

Activity 1

What You Need

For the class:

- 4–5 sheets of stick-on mailing labels, 30 labels per page (1" x 2 5/8" labels). See "Getting Ready" section.
- paper cutter
- an overhead transparency of the Make A Maze student sheet (master on page 16)
- an extra blank overhead transparency on which to model the maze-making
- 2 small stickers (one of a different shape/size/texture from the other). See "Getting Ready" section.
- 1 transparency pen
- overhead projector
- chalkboard and chalk
- clock with a second hand

For each pair of students:

- 1 manila folder (or tall book) to create a visual barrier
- 2 Make A Maze student sheets (master on page 16)
- 2 sheets of construction paper (8 1/2" x 11"). See "Getting Ready" section.
- 4 small stickers (two of a different shape/size/texture from the other two). See "Getting Ready" section.
- 2 pencils
- (optional) 2 envelopes to hold the strips and stickers

- (optional) 1 blindfold (bandanna, strip of fabric, or eye mask without eye holes). See "Getting Ready" section.

Activity 2

What You Need

For the class:

- student mazes and Make A Maze student sheets from Activity 1
- 2 large sheets of butcher paper
- a marker
- masking tape
- clock with a second hand

Activity 3

What You Need

For the class:

- 4–6 food extracts (Lemon, vanilla, maple, licorice, cherry, coconut, almond, and cinnamon work well. Clove is not recommended because it is very strong and can desensitize the nose to other smells.)
- 4–6 film canisters (to prepare home den smell sources)
- 4–6 cotton balls (to prepare home den smell sources)
- a bag or box large enough to hold about 20 film canisters
- overhead transparency of Nervous System Diagram (master on page 32)
- (optional) 4–6 labels (small enough to fit on the bottom of the film canister—stick-on dots work well)
- (optional) a fine-point marker
- (optional) extra cotton balls

For each pair of students:

- 1 film canister (to prepare individual smell sources)
- 1 cotton ball (to prepare individual smell sources)
- (optional) 1 label (small enough to fit on the bottom of the film canister—stick-on dots work well)

For each student:

- 1 copy of Nervous System Diagram (master on page 32)

Activity 4

What You Need

For the class:

- 5 2 ½' lengths of string
- 5 half-sheets of 8 ½" x 11" card stock
- 1 single-hole paper punch
- 1 pad of large post-its (3" x 5")
- 1 large, dark-colored felt marker
- transparent tape
- colored copying paper
- 1 fairly new dollar bill
- chalk and chalkboard
- 2 copies of the Victim Name Tag sheet, one on white paper and one on colored paper (master on page 54)
- 1 copy of the Chemical Name Tag sheet (master on page 55)
- 1 copy of the Chemical Suspect Statements sheet (master on page 56)
- 1 copy of each of the two Victim Information sheets (masters on pages 57–58)
- 1 overhead transparency of the Nervous System Diagram (made during preparation for Activity 3)
- overhead projector

For each team of four students:

- 1 copy of each of the following student sheets on white paper (masters on pages 59–62)
 - Chemical List from the Fabric Printing Factory
 - List of Workers with Neuropathy
 - Map of the Fabric Printing Factory
 - Job Descriptions of Workers in Print Room
- 1 copy of each of the following student sheets on colored paper (masters on pages 63–70)
 - List of Activities of Seven Victims (7 pages)
 - Lacquer Thinner Ingredients
- 1 large manila envelope (for containing student sheets)
- 4 sheets of colored paper
- 4 copies of What Really Happened (master on pages 71–72)
- paper
- pencils

Activity 5

What You Need

For the class:

- 1 package (8 oz.) of elbow macaroni (or other pasta that comes in small individual pieces) *
- 1 spoon for stirring the macaroni as it cooks
- 1 pot for cooking macaroni
- access to a stove, a sink, and a refrigerator
- 1 colander
- 5 large ziplock plastic bags
- 4 colors of food coloring
- 5 flavorings (such as salt, garlic powder, lemon juice, various food extracts, sugar, cinnamon, curry powder, etc.)
- 1 cafeteria tray
- several paper towels or a piece of paper large enough to cover the tray

For each student:

- 1 copy of the homework article, The Case of Lash-Lure (master on pages 83–85)

Activity 6

What You Need

For the class:

- (*optional*) videos of the case studies of Victor and/or Genie, see #2 in “Getting Ready,” below, for more details.

For each student:

- 1 copy of the article The Story of Genie (master on pages 92–95)

Activity 7

What You Need

For the class:

- 5 Rats in Cages (Control Group plus Experimental Groups 1–4) diagrams (masters on pages 104–108)
- 5 Rat Brain Cell (Control Group plus Experimental Groups 1–4) diagrams (masters on pages 109–113)
- overhead transparencies of:
 - Rat Brain Cell—Control Group diagram (master on page 109)
 - Circle Grid (master on page 114)
 - Dendrite Graphing Sheet (master on page 115)
 - Instructions for Dendrite Graphing (master on page 116)
- overhead projector
- 1 transparency pen
- several rolls of masking tape
- 5 different colors of crayons, markers, or colored pencils

For each team of four students:

- 4 Rat Brain Cell—Control Group diagrams (master on page 109)
- 1 set of four diagrams paper-clipped together. The set consists of one each of the following diagrams:
 - Rat Brain Cell—Experimental Group 1 (master on page 110)
 - Rat Brain Cell—Experimental Group 2 (master on page 111)
 - Rat Brain Cell—Experimental Group 3 (master on page 112)
 - Rat Brain Cell—Experimental Group 4 (master on page 113)
- 4 blank overhead transparencies (to make circle grids)
- 4 Dendrite Graphing Sheets (master on page 115)
- 1 or 2 manila file folders
- pencils

Activity 8

What You Need

For the class:

- 5 Rats in Cages (Control Group plus Experimental Groups 1–4) diagrams (color-coded, from Activity 7)
- 5 Rat Brain Cell (Control Group plus Experimental Groups 1–4) diagrams (from Activity 7)
- masking tape
- overhead transparencies of:
 - Completed Dendrite Graphing Sheet—Control Group and Experimental Group 1 (master on page 126)
 - Questions to Consider (master on page 127)
- overhead projector

For each team of four students:

- file folder from Activity 7 containing their completed Dendrite Graphing Sheets
- pencils
- 1 or more sheets of blank paper
- (*optional*) 1 copy of What's Really Going On In There? (master on pages 128–131)

Activity 10

What You Need

For the class:

- 7 copies of Common Sense: The GEMS Learning About Learning Play (master on pages 140–146)
- a highlighter pen
- 6 half-sheets of 8 ½" x 11" card stock
- 6 lengths of string (3' each)
- 1 single-hole paper punch
- a large, dark-colored felt marker