



Targeted Teaching Topic

Author: Kathy Gifford
School: Kearney Public Schools

Summary of Topic:

Body Planes, Directional Terms, Quadrants, Regions and Cavities.

Main Curriculum Tie:

Recognize body planes, directional terms, quadrants, regions and cavities.

Required Materials for Lesson:

- Large and small marshmallows. Use name brand marshmallows which have less powder on the outside. Let them dry out a little so it's easier to write on them.
- Toothpicks.
- Very fine tip sharpie or gel pen.
- List of body planes, directional terms, quadrants, regions and cavities.

Background for Teacher:

Pictures that illustrate the body planes, directional quadrants, regions, and cavities.

Student Prior Knowledge:

Names and locations of body planes, directional quadrants, regions and cavities.

Intended Learning Outcome:

Be able to see in 3D what has been discussed.

Instructional Procedure:

- Have students pick up marshmallows (3 large, 10 small), 5 toothpicks, 1 sharpie or gel pen, list of items to identify.
- Make marshmallow man then either draw the planes on the body (label with sharpie- transverse, coronal & midsagittal).
- Use arrows to show directional terms (cephal/o, caudal, lateral and medial). Label anterior, posterior, ventral, dorsal.
- Attach small paper skirt that has labeled the regions (left and right hypochondriac, epigastric, left and right lumbar, umbilicus, left and right inguinal & hypogastric).

How to Measure Outcome:

Evaluate the markings and labels on the marshmallow man.