

Program 3: Circulation Investigation – Teacher Guide

1. Goals and Objectives:
 - a. Students will be able to correctly locate and identify the body parts that make blood, the heart, and lungs.
 - b. Students will be able to correctly identify the main functions of blood, the heart, and lungs, and scabs.
 - c. Students will be to describe how blood flows through the body and how gas is exchanged, and why scabs are important.
2. Materials and Equipment:
 - a. Internet connection, computer, projector or other means to have information from the computer displayed for the class to see, screen or other means to have said information displayed for the class to see.
 - b. Materials for **Candy Blood RECIPE**:
 - ☐ 2 quart size zipper seal plastic bags
 - ☐ red hot candies, brown (any color is fine) candy sprinkles
 - ☐ corn syrup
 - ☐ white mini marshmallows
 - ☐ measuring cups
 - c. Materials for **Gas Exchange Game**:
 - ☐ 2 colors of small balloons, about 15 each (recommended: red and blue)
 - ☐ 3 laundry baskets
 - ☐ (optional) 3 colors of bandanas (for lungs, heart and red blood cells)
 - d. Handouts
3. Prior Knowledge Required:

Students must have a basic understanding of anatomy.
4. Direct Instruction:

See PowerPoint presentation.
5. Guided Practice:
 - a. Who am I and What do I do? (Worksheet)
 - b. Heart (What do you see?) Coloring Page
6. Independent Practice

Pretend you are a red blood cell. Tell about how you were born and your job!
7. Optional Assessment/Pre- and Post-Test
 - a. Distribute the pretest before the lesson starts.
 - b. Distribute the posttests at the end of the lesson.