Blood Types and Heredity

Summary
In this lab investigation students will see if they can discover the pattern of genetic transfer for blood type

Main Core Tie
Science - Biology
Standard 4 Objective 2

Time Frame
1 class periods of 60 minutes each

Group Size
Small Groups

Materials
- student sheet (attached)
red food color
green food color
water
4 test tubes
test tube rack
graduated cylinder
beaker
medicine dropper or pipette

Instructional Procedures
Mix solutions of red and green water, enough for 20 ml per student group of each.
Read the introduction with students.
Have students make a prediction.
Allow students to perform the lab experiment.
Have groups combine their results on the board and come to a class conclusion concerning which types can or cannot mix.
Give students time to solve the pedigree on their worksheet. Check for accuracy.
Allow time for students to finish the questions and conclusions.

Assessment Plan
Scoring Guide:
1. Students follow procedures and record data..................4
2. Students correctly predict which transfusions are safe......4

Bibliography
Lesson Design by Jordan School District Teachers and Staff.