Lab Framework

Text: Cord
Unit Number and title: Under the Rainbow   Unit 9
        Short description: finding ratios of colors to total skittles
Developed by: Dan Collins
Contact Information: dcollins@mlsd.org
Date: June 25, 2009

LAB TITLE
UNDER THE RAINBOW

Teacher: Teacher Prep/Lesson Plan

- **Lab Objective: to predict the ratios of each color to total skittles, and then find actual ratio of each color. Also, to compare group findings to other groups and draw inferences.**
- **Statement of pre-requisite skills needed: knowledge of vocabulary, prediction/estimation, finding ratios, convert to percents.**
- **Vocabulary: Estimation, Ratios, Proportions, Percents.**
- **Materials list:**
    Students
    Paper and pencils
    Small bag of skittles

- **Standards: 6.3A, 6.3B, 6.3C**
- **Leadership Skills:**
    Group collaboration, defined roles
- **Lab Set up:**
    Review- Percent conversions, ratios, making predictions
    Form groups- 2 to 3 students
    Skittles- 1 bag per group (don't open until teacher instructs)

STUDENT INSTRUCTION

Predict: How many skittles are in the bag, and how many of each color skittles are there.

Purple
Green
Red
Yellow
Orange

In Groups:
    Find the Total
    Find the ratio of each color to the total.
    Compare your actual with your prediction
    Find the percent for each color
    Making predictions for the pound bag and the color ratios

In class:
    Discuss each group findings and how they compare to other groups ratios and percents.

    Discuss reasons for similarities/differences.

Other applications:
    Create graphs showing the results.