

Teacher/School: Jennifer Long and Kim Reddick / Wauchula Elementary School

Unit Title: The Hunt for the Ruby Thief

Grade Level: 3rd - 5th

Subject/Topics: Math - Data Collection, Probability, and Statistics

Time Needed: 2 hours

Learning Objectives: **What will students learn?**

- Display possible outcomes for a probability experiment.
- Coiled, organize, and display data in a variety of ways in order to analyze.

Sunshine State Standards:

MA.E.2.2.1

MA.E.2.2.2

Materials/Supplies:

- Rainbow Cubes
- Four-Color Spinner
- Three-Color Spinner Candy
- Black Velvet Jewel Bags (brown lunch bags will do)
- Calculator
- Student Activity Sheets: The Hunt for the Ruby Thief #1-4

Prerequisite Skills:

Making predictions.

Instructional Procedures: **What will the teacher be doing?** **What will the students be doing?**

- Students will be making connections using probability, fractions, decimals, or percentages after gathering data.
- Teacher will be circulating to monitor students and present higher order thinking questions to each group for discussion.

Differentiated Instruction:

Students will be completing this activity in cooperative learning groups.

Assessment:

Students will use data collected, chart provided, and hands on activities to master data collection, probability, and statistics **with** a mastery of 80% or above.