Red Light, Green Light

Content Standards and Objectives

Targeted Oregon Content Standards and Benchmarks
Social Sciences: Geography (Benchmark 2, Grade 5)
- Define basic geography vocabulary such as concepts of location, direction, distance, scale, movement, and region using appropriate words and diagrams
- Know and use basic map elements to answer geographic questions or display geographic information
- Examine and understand how to prepare maps, charts, and other visual representations to locate places and interpret geographic information
- Understand how physical environments are affected by human activities

Social Sciences: Civics and Government (Benchmark 2, Grade 5)
- Understand how citizens can learn about public issues
- Identify and give examples of how individuals can influence the actions of government

Social Sciences: Analysis (Benchmark 2, Grade 5)
- Examine an event, issue, or problem through inquiry and research
- Gather, use, and document information from multiple sources (such as print, electronic, human, primary, secondary)

Math: Statistics and Probability (Benchmark 2, Grade 5)
- Collect, organize, display, and analyze data using number lines, bar graphs, line graphs, circle graphs, stem and leaf plots, and histograms
- Formulate and carry out simple experiments and simulations. Collect and analyze data using measures of central tendency
- Make predictions using experimental probability
- Express probabilities using fractions, ratios, and decimals

National Educational Technology Standards (NETS)

Performance Indicators for Technology Literate Students (Grades 3-5)
Prior to completion of grade 5, students will:
- Use technology tools (such as multimedia authoring, presentation, Web tools, digital cameras, scanners) for individual and collaborative writing, communication, and publishing activities to create knowledge products for audiences inside and outside the classroom
- Determine which technology is useful and select the appropriate tool(s) and technology resources to address a variety of tasks and problems
- Use technology resources (such as calculators, data collection probes, videos, educational software) for problem solving, self-directed learning, and extended learning activities

Student Objectives
Students will be able to:
- Learn how communities make decisions
- Gather data to identify traffic issues and problems in the neighborhood
- Explore cause and effect
- Formulate questions
- Collect and organize information from multiple sources
- Classify information, analyze data, and evaluate when data is relevant to a problem
- Summarize findings, reach conclusions, and make decisions based on visual displays of data
- Propose a solution to the problem and present the proposal in an effective way