Grade 3 – 6th Six Weeks
Integrated Thematic Unit (Science Focus)
Fiji, Facts and Figures (Coral Reefs)
(World Scapes-Claire Owen)

Science TEKS	Math Connections	Social Studies Connections	Language Arts Connections
Primary Focus- • Construct simple graphs, tables, maps and charts to organize, examine and evaluate information. • Collect and analyze information using a variety of tools. • Identify that the surface of the earth can be changed by forces such as earthquakes and glaciers. • Observe and describe the habitats of organisms within an ecosystem; • Observe and identify organisms with similar needs that compete with one another for resources such as oxygen, water, food, or space; • Describe environmental changes in which some organisms would thrive, become ill, or perish; and • Describe how living organisms modify their physical environment to meet their needs such as beavers building a dam or humans building a home. • Identify and describe the importance of earth (renewable, nonrenewable, or inexhaustible resources); • Identify and record properties of soils; **Secondary Focus-** • Gather information (including temperature) to identify physical properties of matter. • Observe and identify characteristics among species that allow each to survive and reproduce. • Identify some inherited traits of plants and animals.	**Reasoning Focus-** Use formal and informal reasoning Determine reasonableness Identify range of amounts and their meanings **Organizational Structure Focus-** Read tables, charts and graphs Communicate relationships Construct graphs Identify geometrical patterns **Measurement Focus-** Use temperature Determine distances using maps Understand the use of scale factors on a map **Problem Solving Focus-** Make predictions (forecasting) Communicate mathematical thoughts Use technology and mathematical tools Identify mathematics in everyday life such as using populations	√ Location, directions and distance √ Compass rose, grid, legend, and symbols √ Effects of physical and human processes in shaping landscape √ Adapting and modifying the physical environment • Homes • Clothing • Complete a Venn diagram comparing Mansfield to Fiji	Finding the science on Fiji Internet sites: • www.bulafiji.com (explore the Sigatoka Sand Dunes National Park, Colo-1-Suva Forest, Pearl Farm) • www.southpacific.orgguide/fiji.html The Land, Weather, Flora and Fanna Note: The Coral Reefs of Fiji are in trouble (See attached BBC news article)

Students are required to complete a project. They may work in pairs or small groups. The project must be based on the science on Fiji incorporating mathematics.