

Water's Journey Subject Strand Matrix with 5Es Model

5Es	Physical Science – Tab 3	Earth Science – Tab 2	Life/Environmental Science – Tab 4	Social Studies – Tab 6	English – Tab 5	Mathematics – Tab 7
Engage	Literature Connection: <i>The Missing 'Gator of Gumbo Limbo</i> pp. 39-43 • Reading/writing responses "Springs" Anticipation Guide	Literature Connection: <i>The Missing 'Gator of Gumbo Limbo</i> pp. 16-18 • Reading response • Swallet hole activity Dissolving Rock activity and lab sheet	Literature Connection: <i>The Missing 'Gator of Gumbo Limbo</i> pp. 48-51 • Reading response KWL Chart – access prior knowledge	Literature Connection: <i>The Missing 'Gator of Gumbo Limbo</i> pp. 79-86 • Reading and Writing responses Note-taking activity (6-minute Video)	Literature Connection: <i>The Missing 'Gator of Gumbo Limbo</i> pp. 125-127 • Reading/Writing responses	Literature Connection: <i>The Missing 'Gator of Gumbo Limbo</i> p. 17 • Scaled Drawing based on text
Explore	Video (30 min.) Purpose: identify facts and details • Note-taking activity • Data charts	Video (30 min.) Purpose: identify facts and details • Note-taking activity • Data charts	Video (30 min.) Purpose: note pollution problems and solutions • Note-taking activity • Discussion	Video (30 min.) Purpose: see how run-off from human activities affects the environment • Response items	Video (30 min.) Purpose: identify examples of figurative language devices used • Note-taking Organizer	Video (30 min.) Purpose: see how mathematics is a part of our real world • Response items
Explore/Explain	Vocabulary: Crossword puzzle Sinkhole: That Sinking Feeling - Solution/Collapse Sink activity • Student responses Aquifer: "Underwater Photography" (text) • Instructional activity Springs: "Springs" (text) • Reaction Guide	Vocabulary: Connect 2 Word Sort Sinkhole: Sinkhole Report activity: • Student responses Aquifer: Hands-on Aquifer: • Student responses Aquifers of Florida (text): • Aquifer maps	Vocabulary: BMPs Tile Puzzles Sinkhole: "Sinkhole Sledding" (text) • Habitat response activity with rubric "How Sinkholes Form" • Teacher Information Aquifer/Springs: Oh, My, What Do I Do? • Step 1 (BMPs) • Step 2 (Diorama activity) • Step 3 (Contract) BMPs: Poster Display Layer book	Vocabulary: Match Game - Terms and Definitions • Vocabulary quiz Sinkhole: The <i>Florida Waters</i> : "Sinkhole Phenomenon" (text) • Teacher Information • Student Debate Aquifer: It's Not My Problem ...Is It? (text) • Response items Springs: Mapping Florida's Springs activity "New Technology Maps Underground Springs" (text) • Student response "Spring Refuge" (text) • Student response	Vocabulary: Vocabulary Cartoons Sinkhole: "Human Activity Can Trigger Sinkholes" (text): • Problem Solution Guide <i>The Lovely Bones</i> excerpt: • Reading response Aquifer/Springs: <i>Florida Waters</i> "Springs" (text) • Third Time's a Charm (multiple read and record)	Vocabulary: Using Water Vocabulary Sinkhole: "Vampire Sink Cleanup" (text) • Student responses Sinkhole activity • Student responses Aquifer: Aquifer activity • Student responses Springs: Spring Magnitude activity • Student responses Sinkholes/Aquifers/Springs: Mathematical Fact Book
Extend	Taking Action: Protect Our Water (slogan and poster display for school and community)	Taking Action: Protecting Florida's Springs (create book to share with 3-5 graders)	BMPs: Free-form mapping Taking Action: Develop a multimedia Public Service Announcement for closed circuit TV or school community bulletin board	Aquifer/Springs: "Underwater Photography" (text) • Student response "Vampire Sink Cleanup" (text) • Student response Biographies/Resumes • Student response Taking Action Water Board Game for family, friends, and community	Springs: Quotes on Florida Springs (text): • Student response Aquifer: "Underwater Photography" (text) • Student response Sinkholes: "Vampire Sink Cleanup" (text) • Student responses Biographies/Resumes • Student response Read entire book <i>The Missing 'Gator of Gumbo Limbo</i> Taking Action: Write a children's book	Aquifer: Inside an Aquifer activity (mapping) America's Water Usage: Student responses Protecting Waters: Student responses Taking Action: Mathematical Trivia Display
Evaluate	Embedded in tasks and activities "Springs" Anticipation/ Reaction Guide	Embedded in tasks and activities Rhyming pun vocabulary evaluation	Embedded in tasks and activities Free-form mapping KWL Chart - complete	Embedded in tasks and activities	Embedded in tasks and activities	Embedded in tasks and activities
Home/Community Connection	Protect Our Water poster display	Rhyme-Time Riddles	Public Service Announcement for local cable station, newspaper, etc.	Water board game	Write a children's book to share at home and with community	Jeopardy game - trivia