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| Grade Level/Course: 4 th Grade | | Concepts: Wetlands | |
| Area of Emphasis/Topic/Theme/Unit: Wetland ecosystems: wetland flora and fauna adaptations, food chains and food webs, types of wetlands, life stages/metamorphosis of wetland organisms, soil characteristics of a wetland | | Suggested Teaching Time Frame: 1 quarter, preferably Fall | |
| BIG IDEA – by the end of this course of study students will: Describe characteristics of a healthy wetland ecosystem, compare and contrast healthy and unhealthy wetland ecosystems, list wetland organisms and describe adaptations that allow them to survive in this ecosystem, create wetland food chains and webs, classify types of wetlands, recognize the importance of wetlands in the reproductive cycle of organisms, describe characteristics of wetland soil. | | | |
| What? | How will you know? | How will you get there? | |
| Standards/Benchmarks | Assessment of Standards Assessed | Learning Strategies/Activities | Resources |
| <p>Wetland life Survey: Environmental: A3, B6, C1 Science: 4.F2.4, 4.F2.5</p> <p>Wetland Life Links: Environmental: A1, A3, B6, C1, C3 Science: 4.D2.3, 4.F2.4, 4.F2.5</p> <p>Wetland Habitats: Environmental: A3, B6, C1 Science: 4.F2.4, 4.F2.5</p> <p>Aquatic Life Stages: Environmental: A3, B6, C1, C2, C3 Science: 4.F2.4, 4.F2.5</p> <p>Soil Permeability and Wetland Formation: Environmental: A4, B3, B5, B6, C1, C2, C3 Science: 4.E1.3, 4.E1.11, 4.H1.2</p> | <p>Wetland life Survey: Wetland adaptation scavenger hunt</p> <p>Wetland Life Links: Food chain activity sheet, food web activity sheet</p> <p>Wetland Habitats: Classification of wetlands activity</p> <p>Aquatic Life Stages: Aquatic insect collection and observation field trip</p> <p>Soil Permeability and Wetland Formation: Soil percolation experiment, completion of soil percolation activity sheet</p> | <p>Wetland life Survey: Organism adaptation list</p> <p>Wetland Life Links: Wetland organism card and yarn food chain simulation activity</p> <p>Wetland Habitats: Wetland habitat flow chart, map wetland distribution</p> <p>Aquatic Life Stages: Juvenile-adult aquatic insect card matching activity</p> <p>Soil Permeability and Wetland Formation: Soil permeability predictions</p> | <p>Wetland life Survey: <u>Discover Wetlands</u> pg 5</p> <p>Wetland Life Links: <u>Discover Wetlands</u> pg 75, <u>Rivers Curriculum Guide – Biology</u> pg 19</p> <p>Wetland Habitats: <u>WOW! The Wonders of Wetlands</u> pg 87</p> <p>Aquatic Life Stages: <u>Always a River</u> pg 56</p> <p>Soil Permeability and Wetland Formation: <u>WOW! The Wonders of Wetlands</u> pg 239</p> |
| Area of Emphasis: Wetland Ecosystems | | Big Idea #: Wetlands | |