Elementary Academic Progression for SCIENCE

Pittsford Schools

	K	1	2	3	4	5
Science Practices	• **Asking Questions and Defining Problems** • **Planning and Carrying Out Investigations** • **Using Mathematical and Computational Thinking** • **Constructing Explanations and Designing Solutions** • **Developing and Using Models** • **Analyzing and Interpreting Data** • **Engaging in Argument from Evidence** • **Obtaining, Evaluating and Communicating Information**					
Life Science	Senses	Life Cycles: Egg to Toad Plants	Life Cycles, Structure and Function: Butterflies		Ecosystems	Owls and Their Environment (Matter and Energy)
Physical Science	Waterplay (Matter, Movement)	Investigating Properties of Matter	Interacting Matter Float and Sink (Buoyancy)	Magnetic Force Forces and Interactions	Electrical Circuits Motion and Design	Food Chemistry
Earth and Space Science	Sunshine and Shadows Weather and Climate	Weather		Cycles in the Sky	Earth's Processes: Processes that Shape the Earth Energy Transfer	Rocks and Minerals Earth Movements
Cross-Cutting Concepts	*Patterns *Cause and Effect *Scale, Proportion, and Quantity *Systems and System Models *Energy and Matter: Flows, Cycles, and Conservation *Structure and Function *Stability and Change					