Franklin Lakes Science Curriculum

Life Science - Grade 2

Unit Objective: *All students will gain an understanding of the structure, characteristics, and basic needs of organisms and will investigate the diversity of life.*

Required Objectives	Suggested Activities
Knowledge: Students will have an understanding of: •How plants have adaptations to live in different environments •How animals are put into two group: backbones/no backbones •How animals and plants need each other and are part of a food chain •How living things have different life cycles •How the life cycles includes the way a living thing grows and changes *Skills: Students will be able to:* •Make a model of a flowering plant and use the model to point out plant parts to classmates •Observe plants and record observations in a chart to compare and contrast both plants •Make a model of a habitat to camouflage animals for students to infer that camouflage helps hide animals •Make a model of a backbone using materials to infer that a backbone is similar to the structure •Create a food web to reinforce that the idea of living things are dependent on one another •Classify different nest models ands infer that the nests are made out of different materials •Infer that they use different hands to write and that more children use their right hand to write •Infer that a cardinal uses its beak to crush seeds •Observe chrysalises as they turn into butterflies •Collect data about their classmates traits and creating a data chart •Infer that roots sprouting from a radish seed is germinating or growing	*Directed Inquiry:* •Do plants need water? •How are worms and snakes alike and different •What does yeast need to grow? •Which hand do different children use to write? *Guided Inquiry:* •Do plants need light? •How can an octopus use its arms? •How can you model a food web? •How does a caterpillar grow and change? *Full Inquiry*: •Which bird beak can crush seeds?
	Enrichment Extensions
	Activity Flip Chart •What are the parts of a flowering plant? •How are a cactus and a fern alike and different? •How does camouflage help an animal survive? •Why does a backbone have many parts? •What is a food chain? •How does a bird make a nest? •How common are some traits? •What happens when a seed germinates?