Sixth Grade Science students at St. Patrick's will develop into individuals with the ability to use the process skills of inquiry to discover answers to questions. Using various instructional tools, students will deepen their understandings of Life Science topics and further their knowledge of systems, order and organization within this realm. Students will gain experience in observing, gathering and recording data, evaluating results/observations, and presenting findings to others. Students' progress will be assessed using a variety of tools including: lab experiments, designing and building models, drawing or completing diagrams, developing essays or other written evidence of mastery, and participating in labs and chapter/unit tests.

	Standards/Goals	Instructional Tools	Assessment Tools
6.1 Living Things	a. Students will gain an understanding of living things b. Discover origins of life c. Classify living things d. Distinguish between viruses and bacteria and apply to real-life e. Students will study protists and fungi; including algae blooms	Text Diagrams Power Point presentations Trade books Science Lab Outdoor Education Internet Animals Greenhouse	Venn Diagrams Charts Labs Quizzes/Tests Research Projects Presentations
6.2 Plants	a. Students will gain an understanding of the plant kingdom including: photosynthesis, mosses, liverworts, hornworts, ferns, club mosses, and horsetails b. Students will describe characteristics of seed plants including: gymnosperms, angiosperms, response and growth, and technology and design	Text Internet Outdoor Education Diagrams PowerPoint presentations Science Lab Greenhouse	Models Labs Teacher Observation Quizzes/Tests Research Essays Presentations
6.3 Animals	a. Students will gain an understanding of the animal kingdom including: sponges, cnidarians, worms, mollusks, arthropods, echinoderms, insects, fish, amphibians, reptiles, birds and mammals b. Students will describe the animals characteristics, behaviors, and response to internal and external stimuli c. Animals' place and function in their ecosystem will be explored	Text Charts Internet Science Lab	Quizzes/Tests Labs Teacher observation Presentations

	Standards/Goals	Instructional Tools	Assessment Tools
6.4 Humans	a. Students will gain an understanding of humans b. Systems explored will include: skeletal, musculatory, circulatory, respiratory, nervous, endocrine, reproductive and digestive c. Students will describe the purposes and functions of all of the body systems and how they work together d. Students will understand homeostasis e. Students will be able to list strategies to fight and prevent disease and cancer f. Students will be able to describe humans' impact on the environment and how the environment impacts the way humans live (environmental science)	Text Internet Science Lab Models	Quizzes/Tests Labs Teacher observation Presentations