



# PINE LAKE Elementary

STEM: BOTANY & ZOOLOGY  
MAGNET PROGRAM

...K-5 grade...

## STEM: Botany & Zoology Magnet Program

Pine Lake Elementary STEM: Botany & Zoology Magnet Program is designed to provide students with an exciting, hands-on, and challenging STEM curriculum focused on the study of Botany and Zoology. This innovative program brings the classroom to life through partnerships with Zoo Miami, Fairchild Tropical Botanic Garden, and the Everglades National Park. Students will be immersed in learning through hands-on science methods, real-world research opportunities, and applications of innovative learning strategies. The STEM: Botany & Zoology Magnet at Pine Lake Elementary aims to nurture forward-thinking, action-oriented, highly skilled, problem solvers who will become global citizens working towards environmental sustainability.

### Botany

The Botany strand at Pine Lake Elementary serves as an excellent introduction to the study of living organisms and their functions. The living classroom at Fairchild Tropical Botanic Garden offers students opportunities for full immersion in learning about the plant kingdom and how it complements the animal kingdom. Students will gain an understanding of and respect for nature and the environment as they cultivate a passion for science, and develop into environmental stewards.

### Zoology

The Zoology strand offers an exciting opportunity to learn up close and personal at Zoo Miami. Students will study animals - their habits, their traits, and their roles in the environmental. Through observation, study, research, and interaction with various animals, students at Pine Lake Elementary will learn how they can ensure that our world continues to be habitable for all life forms. The hands-on, innovative, project-based educational opportunities at Pine Lake Elementary make learning exciting and motivating, and promote academic success.

# Path of Study

Pine Lake Elementary offers a course of study in STEM: Botany & Zoology for students from kindergarten through 5th grade. Conservation Biology is offered as a continuing path of study at Richmond Middle School and continues to high school at BioTECH @ Richmond Heights 9-12 Conservation High School for those who are interested in pursuing STEM: Botany & Zoology.



## Educational Partnerships

As part of the STEM: Botany & Zoology Magnet Program, and in-line with the established path of study, Pine Lake Elementary has attained partnerships with Zoo Miami, Fairchild Tropical Botanic Garden, Discovery Education, and the Everglades National Park. Designated classrooms have been set-up at partner sites to facilitate immersive learning. These partnerships offer resources beyond the textbook or internet images, and allow students to conduct unique, high-level, research-based inquiry, resulting in engaging, real-world learning opportunities.



## How to Apply!

Applications may be obtained online. Parents must submit a completed application between October 1st through January 15th. When the number of applications exceeds the number of spaces available in a Magnet Program, a computerized random selection process is used for student selection. Additional information on the Magnet Application process can be found at the School Choice & Parental Options website: [www.miamimagnets.org](http://www.miamimagnets.org)

### For More Information and to Apply:

[pinelake.dadeschools.net](http://pinelake.dadeschools.net) or call 305.233.7018

**MAGNETSCHOOLS**  
GIVING OUR STUDENTS A WORLD OF CHOICES



**PINE LAKE ELEMENTARY**  
16700 S.W. 109 Avenue  
Miami, Florida 33157  
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#### School Board Policy: 2370, Magnet Programs/Schools

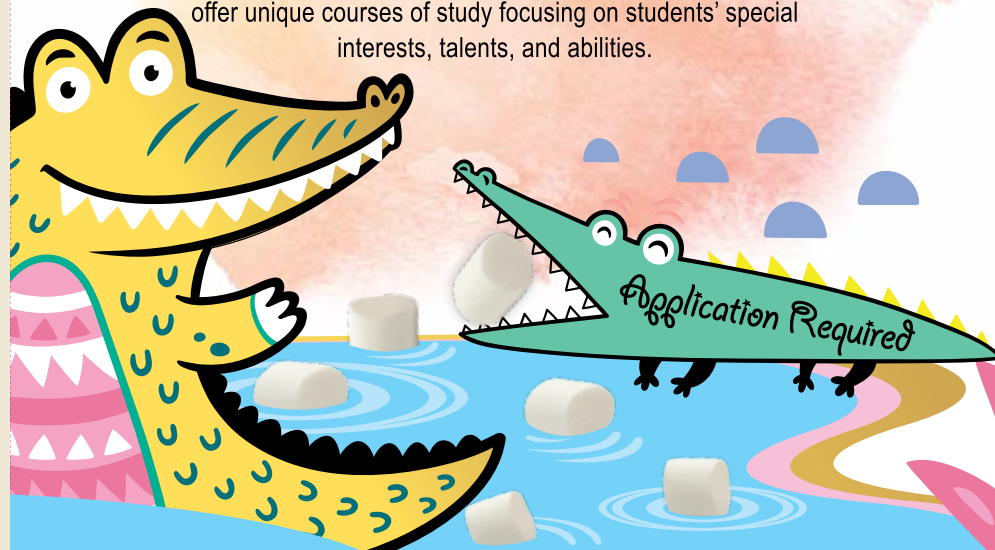
Anti-Discrimination/Harassment (Students) - School Board Policies 1362, 3362, 4362, and 5517  
Prohibit harassment and/or discrimination against students, employees, or applicants on the basis of sex, race, color, ethnic or national origin, religion, marital status, disability, genetic information, age, political beliefs, sexual orientation, gender, gender identification, social and family background, linguistic preference, pregnancy, citizenship status, and any other legally prohibited basis. Retaliation for engaging in a protected activity is also prohibited. For additional information contact: Office of Civil Rights Compliance (CRC), Executive Director/Title IX Coordinator, 155 N.E. 15th Street, Suite P104E, Miami, Florida 33132, Phone: (305) 995-1580 TDD: (305) 995-2400, Email: [crc@dadeschools.net](mailto:crc@dadeschools.net) Website: <http://crc.dadeschools.net>

Boy Scouts of America Equal Access Act of 2002 - no public school shall deny equal access to, or a fair opportunity for groups to meet on school premises or in school facilities before or after school hours, or discriminate against any group officially affiliated with Boy Scouts of America or any other youth or community group listed in Title 36 (as a patriotic society).



## About Magnet Schools

For more than 40 years, Miami-Dade County Public Schools has been at the forefront of the choice movement in education. Magnet programs offer unique courses of study focusing on students' special interests, talents, and abilities.



**APPLY!** [pinelake.dadeschools.net](http://pinelake.dadeschools.net)

## Studies Include

### STEM Adaptations:

- Life Cycles of Plants
- Laboratory Experiments
- Research in Plant and Animal Behavior
- Functions of Various Parts of a Root
- Animal Behavior
- Stem Adaptations and Functions
- Biology of Living Organisms
- Parts and Adaptations of a Leaf
- Successful Conservation Practices
- Pollinators and Flowers
- Diversity of the Animal Kingdom
- Fruit Functions and Adaptations
- Patterns of Life and Their Evolution

