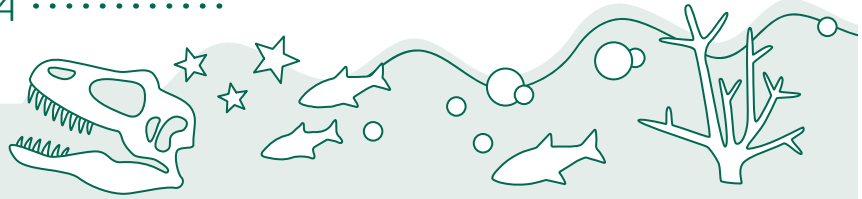




STEM Designation Package

2023-2024



Overview

Teachers and students will dive into science with the Phillip and Patricia Frost Museum of Science (Frost Science) during the 2023-2024 academic school year. Through continuous engagement, 3rd-5th grade classes will receive Miami-Dade County Public Schools (MDCPS) STEM designation and participate in meaningful science experiences with the Museum. The STEM designation package will be offered to 36 Title I schools in Miami-Dade County, reaching approximately 1,700 students. The 36 schools (47 students per school) will be chosen by MDCPS to represent each of the county's nine voting districts. Must be a part of a Title I school to participate.

Engagements

These engagements will be completed throughout the 2023-2024 academic year and will result in MDCPS STEM designation for participating schools.

1

Field Trip to Frost Science (enhanced): Each school will receive a field trip to the Museum for up to 47 3rd-5th grade students. The field trip will include **1)** bus costs and **2)** a Learning Lab. During Learning Labs, students participate in a 45-minute science activity in the Museum's Knight Learning Center aligned to a topic of the school's choice.

2

Teacher Professional Development: All teachers part of the Frost Science STEM Designation program will take part in a professional development at the Museum, where they will learn about current science and be given access to two standards-aligned lesson plans to use in their classrooms. These lessons will be used to support the Learning Lab that their students will engage in during their Frost Science field trip. The professional development includes lunch, parking, two new developed lessons and admission to the Museum.

3

Meet the Museum Scientist (virtual): This opportunity will connect students and teachers to experts in various science disciplines at the Museum. Students will learn about careers in STEM and ask questions about marine science or astronomy.

4

Meet the Museum Scientist (virtual): This opportunity will connect students and teachers to experts in various science disciplines at the Museum. Students will learn about careers in STEM and ask questions about paleontology or tropical ecology.