MIAMIBEACH

COMMISSION MEMORANDUM

TO: Honorable Mayor and Members of the City Commission
FROM: Vice-Mayor Ricky Arriola
DATE: April 28, 2023

SUBJECT: REFERRAL TO THE FINANCE AND ECONOMIC RESILIENCY COMMITTEE TO DISCUSS FUNDING THE POLICE ATHLETIC LEAGUE'S PROPOSED STEAM PROGRAM.

ANALYSIS

The Police Athletic League is requesting $10,000 in funding for a Pre-K Junior Scientist STEM (Science Technology & Mechanical) Program for our Miami Beach residents. The proposal letter is attached. I ask the Finance and Economic Resiliency Committee to discuss this request and consider its funding.

SUPPORTING SURVEY DATA

N/A

FINANCIAL INFORMATION

N/A

Applicable Area

Citywide

Is this a "Residents Right to Know" item, pursuant to City Code Section 2-14?	**Does this item utilize G.O. Bond Funds?**
Yes	No

Strategic Connection

Prosperity - Be known for (K-12) educational excellence.

Legislative Tracking

Vice-Mayor Ricky Arriola

ATTACHMENTS:

Description

PAL Proposal

PURITY PRODUCTS

(305)582-2233

Purityproductsmia@gmail.com

Martia P. West, MHP

Miami Beach PAL STEAM Proposal

Purity Products LLC and its teachers of STEAM (Martia West and Nadra Montgomery) will engage Pre-K students and their parents in STEAM activities geared to the learning level of students. Given the concepts and terminology, the STEAM Saturday Program will layer science concepts alongside learning site words, colors, languages, and visual cues. The curriculum will create a learning environment in which students are engaged with direction from STEAM teachers, parents and their peers.

The STEAM Program will be delivered once a month Saturdays during the Miami Dade School Calendar year. School vacation may be omitted depending on the needs of parents and the program. Suggested times of day will be from 9am-12am.

Activities are subject to change depending on supplies.

Science Scavenger Hunts – Engages students in group activities, discovery of concepts steeped in science and aides in forming the concept of how things are formed.

Money Scavenger Hunt

Seashore Scavenger Hunt

Shapes and Colors Scavenger Hunt

Chemistry – Instructs students in various scientific questions of what, when, where, why and how. Delivers relational instruction and exposes students to chemical composition.

Bubbles – types of bubbles – colors – rainbow – why they float – what else floats- boats – buoyancy - density.

Water Lab – solid – liquid and gas (steam)

Fireworks

Slime

Body Science – Informs students of Body mechanics, naming and relationships in the body

Hand – fingerprints – bones – puppet – Body parts with skeleton

Tasting Lab for tongue areas

Music – Engages students in making and understanding music as a part of scientific discovery

Movement Time – Rhythm, beat of music, hearing sound, music with body parts, stomping and clapping, whistle. How body interacts with things around us, Music Notes

Kits – Additional Instruction

Sand Art – Colors, textures, what sand can do – Glow in the dark

Bouncy ball factory – Buoyancy – friction- plastics

Food Science – Assist students in understanding food sources and variations

Fruits and Veggies – How they grow -different part of plant – take home

Popcorn Popping

Candy Making

Astronomy - Instruct students in understanding constellations

Twinkle Twinkle Little Stars – Types of stars – names of star constellations

Glow in Dark Stars – Constellations

Budget $8,200

Instruction $4,800

Two instructors at $150 per hour for 4 hours per week including preparation, set up and break down of classroom. Duration 8 weeks.

Supplies $3000

Instructional materials for hands-on participation

Sustenance $400

Snacks and water for students