Senate

of the

Student Government Association

of

The Johns Hopkins University

{ S. Bill. 17-18, 00 }

An Act to Fund LEM STEM-LEADS Program

Introduced By: **President** Boutros of the **Sophomore Class** the **18th** day of **February** in the Year **2018**

Sponsored By: Senator Kush Mansuria of the Junior Class
Senator - - of the - Class

Referred to the senate by the **Committee on Civic Engagement** which recommends its _____ by a vote of __ to __ with __ abstentions.
Referred to the senate by the **Committee on Finance** which recommends its _____ by a vote of __ to __ with __ abstentions.

Be it enacted by the Senate of the Student Government Association of The Johns Hopkins University assembled that:

SECTION 1. TITLE.

This Act may be referred to as the "LEM STEM-LEADS Bill."

SECTION 2. DEFINITIONS.

a. SGA — The term "SGA" shall refer to the Student Government Association of The Johns Hopkins University.
b. JHU, Hopkins - The terms "JHU" and "Hopkins" shall refer to the Johns Hopkins University.
c. LEM - the term "LEM" shall refer to the Lambda Epsilon Mu Latino Pre-Health Honor Society

SECTION 3. FINDINGS AND PURPOSES.

1. The LEM STEM-LEADS program's goal is to increase Baltimore High School students' interest in pursuing higher education, with a focus on STEM careers. This will be accomplished by introducing the students to neuroscience and physical science concepts during a weekly lunch program while integrating aspects of the college application process. The program will consist of a series of workshops, including fun neuroscience and physics experiments, as well as elements of their college application including personal statements, SAT/ACT, and career path options after college.
2. The goal of the LEM Kick-Off event is to further gauge student interest in the STEM-LEADS program and to expose students to relevant scientific issues. We aim to garner interest and excitement by inviting the Johns Hopkins Director for Undergraduate Neuroscience Studies, Dr. Linda Gorman, to speak to the high school students about drugs, addiction, and the reward pathway from a neuroscience perspective.
3. Patterson High School is a highly diverse school with over 32 languages spoken by its student body and the highest Latino population (making up 38% of the student body). The graduation rate is only 67%, with a dropout rate of 24% and an low number of students, only 17%, take the SAT or ACT which prevents most from even applying to college.
4. The kick-off event is scheduled to take place in the school media center to promote intimacy, and will begin by first introducing the program and objectives for the semester. Thereafter, the guest speaker, Dr. Linda Gorman, will be introduced and she will talk about drugs, addiction, and the reward pathway.
5. We hope to have between 100-150 students attend the event which will primarily be facilitated through promotional flyers, pizza, and the keynote speaker.

6. The second part of the kick-off event will include distributing the interest forms, while having the attendees participate in trivia for prizes. The trivia will include questions about the talk.
7. Following the March 12, 2018 kick off event, we will begin having weekly sessions every Friday, beginning on March 16, 2018. There will be a total of eight weekly sessions: three that cover neuroscience-based topics, two that cover physics-based topics, and three that cover college readiness.
8. There will be pre- and post-assessments for the students to complete in early March and then at the end of the school year to measure the effectiveness of the program. These assessments will gauge students' current interest in science, STEM careers, attending college, and some pertinent demographic information.
9. Ultimately, the program is meant to bring together members of the Johns Hopkins University Lambda Epsilon Mu, the JHU undergraduate neuroscience faculty, and the high school students of Patterson High to inspire enrollees to pursue not only STEM-related fields but higher education of any kind.

SECTION 4. BUDGET

A.

- Transportation: Lyft - 8.1 miles; $40 (roundtrip)
    - **18*40 (10 people) =$720.00 Total**
- Food & Snacks
    - Food (Pizza)
    - 30 students +6 volunteers (2 slices min) = 72
    - Each box has 8 (10 boxes)
        - Eight $10 large pizzas per day (tax not included)
        - 8 sessions * $100 + ($5 tip per day) = **$840 without tax**
    - Chips & Fruit Snacks - **$495 without tax**
        - $30 (30 count for chips *9= $270 chips
        - $15 (42 count for fruit snacks) *9 = $135
        - $5(24 pack for water) * 18 = $90
    - **Total = $1295.00**
- Prizes for Students (Barnes & Nobles w/ JHU Logo)
    - Hat - 25$
    - Mens Sweatshirt - $40.00
    - Women's Sweatshirt - $50.00
    - **$115.00 Total**
- Gift for Dr. Linda Gorman
    - **$50.00 Total**
- T-Shirts
    - 50 students (long sleeve) (Volunteers (OLE & LEM) , Students,

        - Each shirt will be about $15.00
        - **$750.00 Total**
    - Materials for Experiments
        - Neuroscience: $250.00
            - Sheep Brain - Set - $16.65 *15= $249.95
            - Physics: $100.00
        - College Preparation: $20 SAT books for 32 students - $650.00
        - Miscellaneous Material (Pencils, Papers, Pens, Folders) - $200.00
        - **$1000.00 Total**
    - Preparation Materials
        - Printing for flyers:
            - Kick off (20 cents per color sheet) * 150= $30.00
            - (7 cents per bw sheet) * 90 * 8 = $50.30
            - Syllabus (7 cents per sheet)*(6 sheets/consent form)*(150 copies) = $63.00
        - Patterson High Binder: $10.00
        - **$153.30 Total**
    - **Total Budget after all Expenses**: $4083.30 * 2 Semesters = **$8166.60**

B.

- We are hereby requesting **$1,0153.00** from the SGA for Science seminar materials (Sheep brain sets, physics materials, college preparations) and marketing materials, all of which will note Johns Hopkins' SGA sponsorship of the event. We will supply the rest of funding through the federal credit union grant, Multicultural Leadership Grant, Student Life programming Grant, and supplementary food fundraisers.

SECTION 5. SEVERABILITY.
Should any provision of this Act, an amendment made by this Act, or the application of such provision or amendment to any person or circumstance be held to be unconstitutional, the remainder of this Act, the amendments made by this Act, and the application of such provision or amendment to any person or circumstances shall not be affected thereby.

Any money granted not used for any of the above purposes in supporting LEM-STEM LEADS will be returned to the SGA Operations budget.

The Bill hereby _____ by a vote of … to … with abstentions.

Upon passage, we have hereunto set our hands and caused the seal of the Senate to be affixed to this bill indicating the Senate's assent and thus officially designated the bill's adoption as law.

Signatures of Enactment:

_____

AJ Tsang
President of the Senate
Executive Vice President of the Johns Hopkins SGA

_____

Noh Mebrahtu
Executive President of the Johns Hopkins SGA

_____

Rushabh Doshi
Executive Secretary of the Johns Hopkins SGA

_____

Mi Tu
Executive Treasurer of the Johns Hopkins SGA

Signatures of Ceremony:

_____