

Strategies to Strengthen Academic Success Among High School Students Interested in Pursuing Nursing as a Career

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Background

- The College Preparation Intervention Program (CPIP), a statewide grant program supporting Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP)
- Collaboration between Maryland's high need local education agencies (LEA) and higher education institutions
 - Raises the level of academic preparedness of economically and environmentally disadvantaged students
 - Enables students to attend, persist, and succeed in college
 - Provides financial support

Program Description

Preparing English, Math and Science Scholars (PEMSS) Program

- An academic support model that is scalable across the State of Maryland Career Technology Education Allied Health Programs
- Hands-on application through clinical-based interactive instruction and external practical work-based opportunities

Ready for College Program (RFCP)

- Engages students in real world applications of math and science through simulations and workshops
- Exposes students to commuter and residential collegiate experiences
- Enhances leadership skills and employability

Objectives

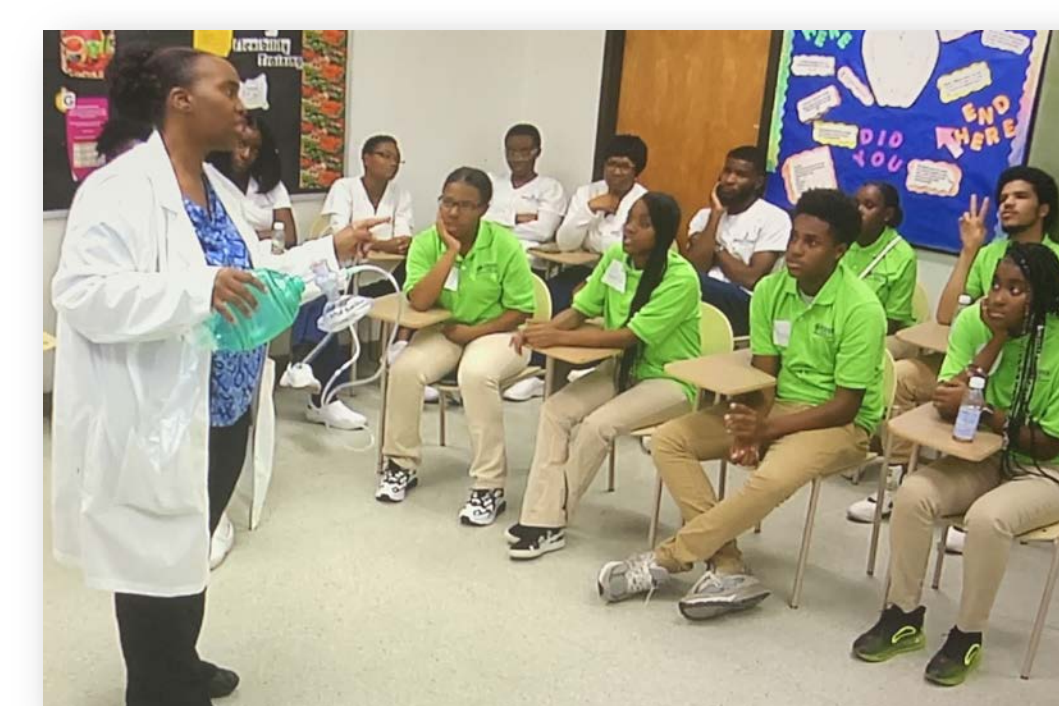
- To prepare the next generation of health professions students prepared for college matriculation or health industry employment
- To develop leadership and soft skills of GEAR UP students
- To increase the pool of qualified applicants for nursing programs

Implementation

- Two-week college readiness summer camp at the University of Maryland School of Nursing and Salisbury University
- Weekly face-to face interactive enrichment classes for Edmondson-Westside and Frederick Douglass High School GEAR UP students
 - Facilitated by university faculty and contracted certified STEM and 4H educators
 - Self-paced modules to improve students' familiarity and confidence with test taking skills
 - Interactive leadership, employability and soft skill development
- Shared learning experiences at Morgan State University (classroom observations, didactic and clinical skill preparation for code management)
- Tours of urban and rural Maryland colleges and universities
- Technology-based professional development for high school instructional staff
- Family engagement workshops on financial literacy and FAFSA completion
- Transitioned to virtual sessions via Blackboard Collaborate in March 2020



Edmondson-Westside
PEMSS Students at Morgan
State University for Shared
Learning and Mock Code
Management Clinical
Simulation



Douglass Students at
UMSON STEM Camp



Health Fair Information
and Challenges



Frostburg State University Campus Visit

Challenges and Solutions

Overall Challenges

- Late arrival and inconsistent school and class attendance
- Delayed sharing of student data required for planning
- Limited opportunities to engage parents relative to dual enrollment, advanced placement courses and college, career and employment options
- Lack of student awareness and readiness for advance placement and dual enrollment courses

Edmondson-Westside

- Mandatory selection of CTE program at the end of 9th grade

Frederick Douglass

- Inconsistent students, meeting times and location

Solutions

- Formally structured Advisory Board with community, education, government, finance, and industry members
- Update Simulation Laboratories
- Create strategic partnerships
- Secure additional funding for CTE, college readiness and workforce development programs
- Explore scheduling non-graduation requirements as first period classes

References

- Innovating for equity and excellence: Recommendations to states for implementing the strengthening Career and Technical Education for the 21st Century Act (Perkins V). (2018). https://mk0all4edorgixiy8xf9.kinstacdn.com/wp-content/uploads/2019/07/Perkins-State-PlanRecs_FINAL.pdf
- Jacob, B. A. (2017). What we know about Career and Technical Education in high school. <https://www.brookings.edu/research/what-we-know-about-career-and-technical-education-in-high-school/>

Notes

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