

Ms. Lubby Navarro, Board Member

Co-Sponsors: Ms. Susie V. Castillo, Board Member
Dr. Lawrence S. Feldman, Board Member

SUBJECT: STRENGTHENING COLLEGE AND CAREER PATHWAYS FOR STUDENTS INTERESTED IN SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM), UNITED STATES SERVICE ACADEMIES AND OTHER RELATED PROGRAMS

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COMMITTEE: ACADEMICS, EVALUATION AND TECHNOLOGY

LINK TO STRATEGIC BLUEPRINT: RELEVANT, RIGOROUS AND INNOVATIVE ACADEMICS

The *President's Council of Advisors on Science and Technology* stated that 80% of the fastest growing occupations in the United States depend on mastery of mathematics and scientific knowledge and skills. The evolving demands of the 21st century workplace require that student preparation be aligned to that of postsecondary careers in science, technology, engineering and mathematics (STEM) related fields. Students' academic experiences must be steeped in rigorous STEM course work in order to succeed in such career pathways such as United States Service Academies and other related programs. These career pathway opportunities require a strong STEM academic component, a focus on leadership, perspectives on global challenges, strong communication skills and physical fitness in order to provide students with a competitive edge to successfully vie for postsecondary opportunities at a national level.

Miami-Dade County Public Schools is at the forefront of providing innovative educational opportunities that deliver curricula and programs designed to prepare students for college and careers. Workplace preparedness opportunities include options provided through the United States Service Academies and other related programs. In order to advance the global competitiveness of these students, the District should analyze curricula and program offerings and ensure their alignment to emerging career opportunities.

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This item seeks to authorize the Superintendent to explore the feasibility of strengthening college and career pathways for students interested in STEM, United States Service Academies and other related programs.

ACTION PROPOSED BY LUBBY NAVARRO:

That The School Board of Miami-Dade County, Florida, authorize the Superintendent to explore the feasibility of strengthening college and career pathways for students interested in STEM, United States Service Academies and other related programs.