

2009-2010 SEMINAR SCHEDULE

- ▽ *Metropolitan Saturday Academy (MSA) Orientation, Learn and Serve National Challenge, and "STEM Career Day Program and Networking Reception"
October 24, 2009
- ▽ Tour of the National Air and Space Museum (NASM) and Planetarium Tour
November 21, 2009
- ▽ NASA Goddard Space Flight Center Field Trip, "hands-on" science demonstrations and STEM Careers
December 12, 2009
- ▽ STEM Guest Speaker Frederick Gregory, NASA Astronaut, Retired and STEM "Dashology" Field Trip to Historic Mt. Zion Cemetery in Georgetown
January 16, 2010
- ▽ *Johns Hopkins University STEM Career Day and Maryland Science Center, Baltimore, Maryland **February 20, 2010**
- ▽ *Prince George's County Science Fair, Prince George's Community College (PGCC), Upper Marlboro, Maryland
March 26-28, 2010
- ▽ NASM Exhibit Design Training and STEM Hands-On Forensics: National Museum of Crime and Punishment Field Trip
April 17, 2010
- ▽ *Maryland Science Center at the Inner Harbor, Baltimore, Maryland
May 15, 2010
- ▽ "Youth Leadership Symposium on Science and Technology" - Exhibition and Recognition Program
June 26, 2010

All seminars conducted at the NASM will be on Saturdays 10:00 a.m. - 12:30 p.m. unless noted by (*) This schedule is subject to change and notification provided as needed.

LOCATION

Seminars will be conducted at the National Air and Space Museum, 6th and Independence Avenue, S.W., Washington, DC, which is located near the L'Enfant Plaza metro stop. **NOTE:** Due to security clearances, please contact the Saturday Academy staff at info@metropolitansaturdayacademy.org or numbers below before attending each seminar to confirm attendance.

REGISTRATION

Recruitment and registration is from August to October annually. All registration forms must be received by the Metropolitan Saturday Academy by the October session annually. A \$200.00 fee which includes registration, field trips, materials and science projects at the technical symposium is required and checks payable to: Metropolitan Saturday Academy.

Participants are selected without regard to race, gender, national origin, religion, or disability.

For further information or to receive an application contact:

Metropolitan Saturday Academy Science and Technology Program

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Metropolitan Saturday Academy Science and Technology Program

Creative Education for Future Leaders of Integrity

A program supported by the

**National Aeronautics and Space
Administration (NASA)**

METROPOLITAN SATURDAY ACADEMY SCIENCE AND TECHNOLOGY PROGRAM

. **A Science, Technology, Engineering, Mathematics and Medicine (STEM²) Program.**

The Metropolitan Saturday Academy is a non-profit 501(c)(3) scientific and educational enrichment program designed to create an interest in science and technology. The Metropolitan Saturday Academy started in 1997 to provide comprehensive, creative learning, non-traditional educational seminars, NASA Underground Railroad DVD: Connections to Freedom and Science and "hands on" activities by experts in the fields of science, technology, engineering, mathematics, career development, communications, budget and finance, physical fitness, history, health and nutrition. The major goal is to develop a cadre of youth in Science, Technology, Engineering, Mathematics and Medicine (STEM²) disciplines in the future.

The Metropolitan Saturday Academy is designed to build self-confident, community-oriented leaders by strengthening student's educational skills, improving academic achievement, providing a school-to-career focus, exposure to colleges and universities and enhancing problem-solving, critical thinking, analytical, communication, presentation, leadership and interpersonal skills. This program is supported by the National Aeronautics and Space Administration (NASA).

Research opportunities are offered for participants to expand their understanding about science and technology through the application of scientific and mathematical concepts. The program also provides an opportunity for participants to utilize their talents and abilities to showcase acquired scientific and technical knowledge by designing STEM museum exhibitions which are presented and demonstrated annually at the Smithsonian National Air and Space Museum. Artistic expression such as music, poetry, storytelling, dance activities to promote physical fitness and other nontraditional methods are provided to make this a unique experience.

A major focus of the Metropolitan Saturday Academy is to develop programs for underrepresented multicultural youth by creating innovative methods of educating to maximize learning potential. The program is offered without regard to race, gender, religion, national origin, age, or disability.

PROGRAM IMPLEMENTATION

Funding and in-kind services will be provided by Federal agencies and private organizations.

Student Eligibility

- ◆ Multicultural middle & high school students
- ◆ Attend schools in Washington Metropolitan Area

Student/Parental Commitment

- ◆ Students and parents will be asked to sign a commitment form to attend all seminars/field trips and to volunteer to support the program

Community Service

- ◆ Students will participate in activities to obtain community service credit

Summer Internships

- ◆ Internship and employment opportunities will be sought for students

Mentoring

- ◆ Students will be assigned mentors to provide technical assistance with science projects, career guidance and tutoring services

Mission Statement

A STEM educational program which uses non-traditional techniques to generate interest and excitement for middle and high school students to increase the number of students in these fields to be technologically competitive globally and help strengthen the Nation's ability to maintain its pre-eminence in science, technology and innovation.

PARTNERSHIPS

- ◆ Association for the Study of African American Life and History (ASALH)
- ◆ Department of Education
- ◆ Department of Justice
- ◆ Department of Transportation
- ◆ Kiamsha Youth Empowerment Organization
- ◆ Maryland Higher Education Commission
- ◆ National Alliance of Faith and Justice
- ◆ National Aeronautics and Space Administration
- ◆ National Park Service
- ◆ Pasadena City College
- ◆ Public Relations Outreach Incentives, LLC (PRO Inc, LLC)
- ◆ Smithsonian National Air and Space Museum
- ◆ Smithsonian National Museum of African American History and Culture
- ◆ The Johns Hopkins University
- ◆ The University of Maryland School of Pharmacy

These partnerships, past and present, have and continue to provide youth in the program the opportunity to enhance their academic experiences as they prepare to become future leaders of integrity.

BENEFITS

- √ Strengthen student's academic skills
- √ Provide exposure to colleges and universities
- √ Motivate students to meet educational and technological challenges of the future
- √ Establish mentoring relationships
- √ Improve problem solving, critical thinking, analytical, communication, presentation, interpersonal and leadership skills
- √ Promote volunteerism and sense of community
- √ Enhance interpersonal skills
- √ Develop individual career plans