

Withdrawal/Redaction Sheet

Clinton Library

DOCUMENT NO. AND TYPE	SUBJECT/TITLE	DATE	RESTRICTION
001. memo	Carolyn Harris memorandum of Call [partial] (1 page)	nd	#Error

COLLECTION:

Clinton Presidential Records
Domestic Policy Council
Michael Schmidt
OA/Box Number: 7349

FOLDER TITLE:

Dunbar [High School] Externship Program

2013-0968-S

sb66

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

- P1 National Security Classified Information [(a)(1) of the PRA]
- P2 Relating to the appointment to Federal office [(a)(2) of the PRA]
- P3 Release would violate a Federal statute [(a)(3) of the PRA]
- P4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
- P5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
- P6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Personal record misfile defined in accordance with 44 U.S.C. 2201(3).

RR. Document will be reviewed upon request.

Freedom of Information Act - [5 U.S.C. 552(b)]

- b(1) National security classified information [(b)(1) of the FOIA]
- b(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
- b(3) Release would violate a Federal statute [(b)(3) of the FOIA]
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- b(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
- b(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
- b(9) Release would disclose geological or geophysical information concerning wells [(b)(9) of the FOIA]

Panbar Externship Program

PHOTOCOPY
PRESERVATION

Real impetus behind presidents

- Policies in this area
- Workforce/Training Issue
- Workforce 2000

- 12th or 13th - Arising

**DOMESTIC POLICY BRIEFING FOR SHEILA HARRIS
JULY 13, 1993**

<u>Schedule</u>	<u>Meeting With:</u>	<u>Issues</u>
10:00 – 10:15	Mike Schmidt	Introduction
10:15 – 10:30	Bill Galston	Education and Training
10:30 – 10:45	Carol Rasco? (if available)	DPC Overview
10:45 – 11:00	Bruce Reed (if available)	Reinventing Government Empowerment Zones, Welfare Reform
11:00 – 11:15	Donsia Strong	Immigration, Campaign Finance, Native Americans
11:15 – 11:30	Paul Weinstein	Urban Policy
11:30 – 11:45	Jose Cerda	Drug and Crime Policy
11:45 – 12:00	Steve Warnath	Executive Orders
12:00 – 12:15	Brian Burke	Environmental Issues
12:15 – 12:30	Flex time	
12:30 – ?	Lunch with Kathi Way and Mike Schmidt	

- Sheila Harris
(202) 673-7233/42 (w)
(301) 423-0878 (H)

Withdrawal/Redaction Marker

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MEMORANDUM
OF CALL

Previous editions usable

TO:

☐ YOU WERE CALLED BY - ☐ YOU WERE VISITED BY -

OF (Organization)

☐ PLEASE PHONE ► ☐ FTS ☐ AUTOVON

☐ WILL CALL AGAIN ☐ IS WAITING TO SEE YOU
☐ RETURNED YOUR CALL ☐ WISHES AN APPOINTMENT

MESSAGE

Sheldor Harris

(b)(6)

RECEIVED BY

DATE

TIME

63-110 NSN 7540-00-634-4018
☆ U.S.G.P.O. 1992 312-070-40024

STANDARD FORM 63 (Rev. 8-81)
Prescribed by GSA
FPMR (41 CFR) 101-11.6

PHOTOCOPY
RESERVATION

**DUNBAR SENIOR HIGH SCHOOL
SPACE AND AND EARTH SCIENCES COURSE
1993 TEACHERS EXTERNSHIPS**

TEACHERS: Sheila Harris, Career Counselor *Need DOB*

DATE: *Tues July 13*

TIME: *10-1 pm*

SITE: White House Domestic Policy Office

ADDRESS: Old Executive Office Building (OEOB)
17th and Pennsylvania Ave., NW, Room 217
Washington, DC

CONTACT: *Mark Schmidt*

PHONE: 202/456-2165
Fax: 456 7739

DIRECTIONS: The nearest Metro Station is Farrugut West on the Orange Line. Go to the building entrance on the 17th Street side. Please have a picture ID to present at the security guard's desk. ~~The guard will call up to Mark to come down and escort you to his office.~~

PARKING: If you decide to drive, their is a commercial parking lot down F Street and across from the 17th Street entrance to OEOB.

VISIT OVERVIEW: Mark Schmidt serves on the White House Domestic Policy Office staff and handles labor and education issues. Currently, he is working closely with the US Department of Labor staff assisting in the coordination of a Workforce 2000 Summit. Mark and other staff members will meet with you to discuss the role of the Domestic Policy Office in the executive decision-making process, Workforce 2000 issues on the Clinton/Gore agenda, and programs being executed around the country to address these issues. They will also try to share with you documents prepared by the executive branch concerning Workforce 2000 issues, such as: speeches, press releases, reports and issues briefs.

TEACHER OUTCOME: To develop a curriculum designed to provide students with a professional development process that helps prepare them for the future workforce.

LUNCH: *Lunch w/ 5:00 pm*

ENTERPRISE MISSION
DUNBAR SENIOR HIGH SCHOOL

FACSIMILE COVER SHEET

Facsimile phone number: 456- 7739

Date: 7/9/93

Facsimile replies: 202/673-2233

To: Mark Schmidt

Office: White House Domestic Policy

Phone: 456 - 2165

From: Carolyn Harris

Phone: 202/673-6963

COMMENTS:

Sheila is a guidance counselor and the faculty advisor to the Young Women of Dunbar, a service organization at our school.

DATE: July 12, 1993
TO: All DPC Staff
FROM: Mike Schmidt
RE: Dunbar Externship Program -- Briefing on Tuesday, July 13

Just a reminder about the briefing for Sheila Harris, a Career Counselor from Dunbar High School tomorrow morning. Instead of having it in a central room or office, **I will walk around to everyone's office with Sheila**, following the general schedule listed below:

Schedule

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12:30 - ?	Lunch with Kathi Way and Mike Schmidt

(Obviously, if Carol or Bruce cannot meet with Sheila I may have to slide everyone up on the schedule by 15 minutes -- please let me know if this is a problem for you)

Remember, this is an informal session that will hopefully provide Sheila with a broad overview of what it is we do here at DPC (I realize that I am leaving myself wide open with that statement, but no sarcastic comments, please!). Also, remember that it would be helpful if you could bring any policy papers (briefings, memos, background reading on issues, papers, etc) that you could share with Sheila -- a big part of the program is to give participants an idea of the different kinds of policy documents we work on, plus the material will help her to better understand the issues that you are working on.

Thanks for your help. If you have any questions or problems with the schedule, please call me at X2165.

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BACKGROUND ON THE DOMESTIC POLICY COUNCIL

WHO IS ON THE DOMESTIC POLICY COUNCIL (DPC)?

The Domestic Policy Council is made up of the following individuals:

- President
- Vice President
- Secretary of Health and Human Services
- Attorney General
- Secretary of Labor
- Secretary of Veterans Affairs
- Secretary of Interior
- Secretary of Education
- Secretary of HUD
- Secretary of Agriculture
- Secretary of Transportation
- Secretary of Commerce
- Secretary of Energy
- Administrator of EPA
- Director of the Office of Management and Budget
- Chairperson of the Council of Economic Advisors
- Assistant to the President for Domestic Policy
- Assistant to the President for Economic Policy
- Assistant to the President for National Service
- Senior Advisor to the President for Policy Development
- Drug Policy Director
- AIDS Policy Director

The Domestic Policy Council is staffed by 20 staff members (mostly senior policy analysts and administrative support staff) under the direction of Carol Rasco, Assistant to the President for Domestic Policy.

HOW LONG HAS THE DPC BEEN IN EXISTENCE?

The Domestic Policy Council was formed by President Bill Clinton as he took office in January of 1993. Under previous administrations, an organization entitled the Office of Policy Development was responsible for many of the functions that currently reside in the DPC and in another new White House office, the National Economic Council. In addition, the Office of Cabinet Affairs had a large domestic and economic policy staff as well. President Clinton abolished the Office of Policy Development and peeled off the domestic and economic functions of the Office of Cabinet Affairs, moving all of their functions into the newly created Domestic Policy Council and National Economic Council (see the diagram on the next page).

Pre-1993

- Office of Policy Development
- Office of Cabinet Affairs,
Domestic and Economic Functions

Current Structure

- Domestic Policy Council
- National Economic Council

In creating the DPC and the NEC, the President's purpose was twofold: First and foremost, to focus his administration's efforts on the pressing domestic and economic problems currently facing this country; Second, to send a strong signal to the American people that domestic and economic issues will be at the top of the list in the Clinton Administration.

WHAT ISSUES DOES THE DPC COVER?

As the list of DPC members makes clear, the Domestic Policy Council covers a broad range of policy issues. Some of the issues that the DPC is especially involved in include:

- Welfare Reform
- Empowerment Zones and Community Development Banks
- National Service
- Health Care Reform
- Education, Training, and Workforce Issues
- Lobbying Reform
- Reinventing Government
- Police Corp and Crime Issues
- Drug Policy
- AIDS Policy

DPC staff members cover a number of other issues in addition to the ones listed above.

DATE: July 9, 1993
TO: All DPC Staff
FROM: Mike Schmidt *MS*
RE: Dunbar Externship Program -- Briefing on Tuesday, July 13

This is just a quick follow-up note to the memo I sent out yesterday on the teacher from Dunbar High School who will be coming here on **Tuesday, July 13, from 10:00 to 12:30**. Thank you for agreeing to help me out on this project! To refresh your memory, Sheila Harris, a teacher from Dunbar High School in D.C., will be coming in for a short briefing on the DPC on Tuesday, July 13. What I need you all to do is come in and talk to Sheila for 10-15 minutes about what it is that you do and what issues you are following. This whole session will be very informal and hopefully very interactive as well.

If at all possible, it would be helpful if you could bring any policy papers (briefings, memos, background reading on issues, papers, etc) that you could share with Sheila -- a big part of the program is to give participants an idea of the different kinds of policy documents we work on, plus the material will help her to better understand the issues that you are working on. Of course, I realize that alot of the documents that we work with are sensitive, and I am in no way suggesting that anything remotely sensitive should be shared -- rather, I am thinking about any public documents or background reading that is informational. Anything that you could bring would be much appreciated.

I will get you a final schedule for the briefing sometime Monday afternoon (maybe at the staff meeting at noon), but here is a tentative schedule as it currently works out:

Schedule

10:00 - 10:15	Mike Schmidt
10:15 - 10:30	Bill Galston
10:30 - 10:45	Carol Rasco? (Not confirmed)
11:00 - 11:15	Donsia Strong
11:15 - 11:30	Paul Weinstein
11:30 - 11:45	Jose Cerda
11:45 - 12:00	Steve Warnath
12:00 - 12:15	Bruce Reed(?) (Not confirmed)
12:15 - 12:30	Flex
12:30 - ?	Lunch with Kathi Way and Mike Schmidt

Obviously, if Carol cannot meet with Sheila I may have to slide everyone up on the schedule by 15 minutes -- please let me know if this is a problem for you. Thanks again for your help!

DATE: July 13, 1993
TO: Carol, Bill, Kathi, Donsia, Jose, Steve, Brian, Roz, Cookie
FROM: Mike Schmidt
RE: Thank You!

Thank you all for taking time out of your busy schedules to talk with Sheila Harris this morning. She was extremely impressed with how friendly everyone was and how committed they were to their jobs. Hopefully, this visit will lead to further opportunities for DPC and other White House staff to reach out to and become more involved with the D.C. community.

MEMORANDUM
OF CALL

673-6863
Previous editions Usable

TO:

☒ YOU WERE CALLED BY *Mike* ☐ YOU WERE VISITED BY

OF (Organization)

☐ PLEASE PHONE ☐ FTS ☐ AUTOVON

☐ WILL CALL AGAIN ☐ IS WAITING TO SEE YOU

☐ RETURNED YOUR CALL ☐ WISHES AN APPOINTMENT

MESSAGE

*Will be working
late 631-0008*

RECEIVED BY

DATE

TIME

63-110 NSN 7540-00-634-4018

STANDARD FORM 63 (Rev. 8-81)

☆ U.S.G.P.O. 1992 312-070-40024

Prescribed by GSA
FPMR (41 CFR) 101-11.6

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FPMR (41 CFR) 101-11.6

U.S.G.P.O. 1992 312-070-40024

PHOTOCOPY
PRESERVATION

Carolyn Harris
Dunbar High
301 573-1635

Kathi checking -
- flex on dates
- welfare reform
meetings =
Leslie Lobel - asst.
Sec.
Policy
219 - 6045
6197

MEMORANDUM
OF CALL

Previous editions usable

TO:

Mike Schmidt

☒

YOU WERE CALLED BY-

☐

YOU WERE VISITED BY-

Carolyn Harris

OF (Organization)

Dunbar High School

☐

PLEASE PHONE

☐

FTS

☐

AUTOVON

6381780

☐

WILL CALL AGAIN

☐

IS WAITING TO SEE YOU

☐

RETURNED YOUR CALL

☐

WISHES AN APPOINTMENT

MESSAGE

RECEIVED BY

Ann

DATE

TIME

2:00

63-110 NSN 7540-00-634-4018
★ U.S.G.P.O. 1992 312-070-40024

STANDARD FORM 63 (Rev. 8-81)
Prescribed by GSA
FPMR (41 CFR) 101-11.6

PHOTOCOPY
PRESERVATION

Room 329

CEA

- 10:30 - 12:30

Tues, July 13 -

10th - 15th - 16th
12th
13th of July

Durham Engineering
Magnet

-ist public
African
American
magnet
school

↳

Externships
replicate what's going
on in WF in schools

Shelia Harris —

DATE: June 30, 1993
TO: Kathi Way
FROM: Mike Schmidt
RE: Community Involvement

Kathi, checking
on welfare reform
schedule
7-1-93

If I remember correctly, a few weeks ago a group of us DPCers had been talking about the need for Administration employees to get involved in the Washington D.C. community (I can't remember whether or not this discussion went on at a staff meeting or casually in your office, but I do remember the conversation!). This afternoon, one such opportunity presented itself.

I got a call from Carolyn Harris, a staff member at Dunbar High School in D.C.. They have an interesting staff development program that allows teachers to go out into the "real" world and gain an understanding of the kinds of things that their students will be exposed to after graduating. Based on these experiences, the teachers are able to alter/rewrite their curriculum to better prepare students for life after high school.

Carolyn asked me if we (the White House) would be interested in "hosting" one of their staff members participating in the program during two days in July - July 12 and 13. The staff member's name is Shelia Harris, and she is interested in training and development issues. She has already worked on the Hill for a few days working on briefings and other written materials on the subject. I suggested to Carolyn that two days would be a bit too much, but that we could certainly try and set up a briefing (or two) for her on the issue (after I first checked it out with you or Carol). Carolyn was of course interested and appreciative of whatever we could offer, but the program is more geared towards the participants actually getting involved in the day-to-day work on their issues -- meetings, writing briefings, memos, etc. Unfortunately, our work schedule does not accommodate this need very well, but I thought that it may be a good idea to give some of the people I know at the Department of Labor a call and see if they could host this teacher for a day, since they are more involved in the day-to-day work on training and development issues.

What do you think? Should we help this program out? If yes, is there more that we could do for this teacher to allow her to work with us for a day here in the White House, or are briefings more in line? My thought was that she could spend a day working at Labor, and then attend a series of briefings over here on the issue (by you or I, maybe Bill Galston, someone from NEC maybe?), but if we can get creative and think of other things for her to do here for a day, that would be great!

FYI -- Dunbar High School is an important community institution in D.C. -- it was formed in 1870 as the first "official" public high school for African Americans, and is now a magnet school for science and engineering.

DRAFT

DRAFT

DRAFT

DRAFT

**DUNBAR SENIOR HIGH SCHOOL
SPACE AND EARTH SCIENCES
CURRICULUM DEVELOPMENT WORKSHOP**

**JULY 14, 1993
GODDARD SPACE FLIGHT CENTER
BUILDING 8 AUDITORIUM**

AGENDA

- 9:00 The Space Studies Program at Dunbar
 Judith Richardson**
- 9:45 Overview of Space Sciences
 Presenter.....**
- 10:15 Overview of Earth Sciences
 Presenter**
- 10:45 Break**
- 11:00 The Work of the Scientist**
 Space Science:
 -David Thompson
 -Maria Moore
 -Mona Kessel
 Earth Science:
 -Mary Cleave
 -Gene Feldman
 -Bill Webster
- 12:00 The Work of the Engineer**
 -James Barrowman (Flight Projects Directorate)
 -James Kalshoven (Terrestrial Physics Laboratory)
 -Alda Simpson (Engineering Directorate)
 -Steve Paddock (Advanced Missions Analysis)
 - another
 - another (?)
- 1:00 Lunch in Place
 Dunbar and Goddard Mixed Groups**
- 2:15 Brainstorming Sessions With Teachers**
 .Space Sciences Group
 -Science/Engineering/Computer Personnel
 .Earth Sciences
 -Science/Engineering/Computer Personnel
- 3:30 Tour of the Center**
 -Sheila Stanford (Flight Projects directorate)

COUNTDOWN TO WORKFORCE 2000 WORKSHOP INFORMATION FOR INVITEES

I. WORKSHOP PURPOSES

To provide a forum for Dunbar Senior High School teachers to collaborate with scientists, engineers, policy-makers and industry representatives to acquire ideas and information as part of an interdisciplinary curriculum initiative sponsored by the District of Columbia Public Schools.

To aid faculty improvement of a space and earth sciences curriculum for 10th and 11th grade pre-engineering students that will engage them in problem-solving projects (related to current US space activities) and require them to work in teams, to use technology and to complete a course project.

II. BACKGROUND

Dunbar Senior High School has completed the second pilot year of an accredited, interdisciplinary, space sciences course that integrated workforce applications into a curriculum. The course, required of 10th grade pre-engineering students, included a project to plan, design and fabricate a space station prototype. Students gained valuable experiences: using critical-thinking and leadership skills for team projects, applying science and math to real-world problem-solving, integrating technology applications into research and conducting oral and written presentations.

III. STUDIES FOR THE COMING YEAR

For the 1993-1994 school year, faculty teams will focus on a space sciences course for the 10th grade, and on an earth sciences course for the 11th grade. Both courses are required for pre-engineering students and will be offered as electives to other students.

IV. ROLE OF INVITED WORKSHOP PARTICIPANTS

You will be asked to contribute in brainstorming and information sessions with teachers to help define a product-oriented, year-long, student research project involving both space and earth sciences. We seek contributions from individuals with knowledge and skills in: science, math, engineering, business, computers/telecommunications, government and public affairs. Once the project is defined, you will be teamed with teachers seeking suggestions for designing student labs, research activities and projects that reflect current issues and problem-solving in your field. The results will be used to guide students through a process of acquiring the skills and knowledge to complete the school-year project.

IV. INTENDED OUTCOMES OF THE WORKSHOP

To provide a working-world basis for developing the year-long, interdisciplinary space and earth sciences curriculums for the 10th and 11th grades.

To identify measurable student learning outcomes.

To produce a "realistic" framework for studying a relatively small number of topics intensively. The framework will yield: (1) an abstract for final projects that require contributions from the space and earth science teams; (2) outlines of lab and research activities that can build students' knowledge, skills and workforce adaptability; (3) listings of supplemental resources and off-campus learning experiences; and (4) a sequence of content and actions for guiding students to project completion.

DUNBAR SENIOR HIGH SCHOOL 1993 SUMMER INSTITUTE FOR TEACHERS

OVERVIEW

June 28th to July 9th	DC Schools Linking Learning with Earning Pilot (LLEAP) Instructional Delivery Workshop
July 12th to July 13th	Teacher Externships NASA/Goddard Capitol Hill Naval Academy Naval Research Lab Hughes STX Corp NOAA WT Chen Co. US Dept. of Labor/White House Space Camp EOSAT Grumman/Space Station Off.
July 14th	NASA/GODDARD BRIEFINGS, DISCUSSIONS AND TOUR WITH SCIENTISTS AND ENGINEERS Goddard Space Flight Center, Greenbelt, MD
July 15th to 16th	COUNTDOWN TO WORKFORCE 2000 <i>"Designing a Space and Earth Science Curriculum that Delivers on the National Education Goals"</i> US House Subcommittee on Space
July 19th to July 23rd	Curriculum Writing and Faculty Team Meetings Dunbar Senior High School
July 23rd	Presentation of Curriculum Plan
July 26th to July 29th	Curriculum Writing at Dunbar Senior High School Technology Education Workshop at Westlake High School
July 30th	Presentation of Draft Curriculum Package
August 2nd to August 27th	Preparation of Curriculum Guide and Resource Packet

The LLEAP Workshop is a two-week program for District of Columbia teachers designed to provide teachers with staff development necessary to develop curriculum that integrates contextualized learning, career-oriented subjects and multiple intelligences approaches to achieve the greatest success for the student learner.

Dunbar Externships are conducted for teachers over a two-day period in various workplaces throughout the Washington Metropolitan Area. The purpose of the teacher externships is to provide our teachers with an opportunity to gain workforce experiences that can be applied in our space and earth science curriculum. A major goal of each externship is to expose teachers to current technologies, scientific apparatus, research methods and decision-making processes that are being utilized in the workplace and that can also be applied in the 1993/1994 curriculum.

COUNTDOWN TO WORKFORCE 2000 WORKSHOP is designed to provide teachers with an opportunity to collaborate with scientists, engineers, policy-makers and business representatives to acquire ideas and information to further develop an interdisciplinary curriculum in space and earth sciences.

COUNTDOWN TO WORKFORCE 2000 WORKSHOP INVITEES FROM GOVERNMENT AND INDUSTRY

Dr. Joseph Alexander NASA/Goddard	Dr. Eddie Anderson NASA Headquarters	Dr. Ghassem Asrar NASA Headquarters	Dr. Maurice Averner NASA Headquarters
Dr. David Batchelor NASA/Goddard	Dr. Phillip Brach UDC School of Engineering	Claudia Brevard NASA/Goddard	Doug Brown NOAA
Dr. George Carruthers Naval Research Lab	Dr. John Cavallo Hughes STX	Dr. Mary Cleave NASA/Goddard	Leonard David Space Data Resources
Mark Emmons EOSAT	Dr. Gene Feldman NASA/Goddard	Elizabeth Felix US Navy	Dr. Wesley Harris NASA Headquarters
Dr. Fritz Hasler NASA/Goddard	Lynn Heninger NASA/Headquarters	John Higginbotham SpaceVest	Dr. Wesley Huntress NASA Headquarters
Clayton Jones Rockwell International	Dr. Mona Kessel NASA/Goddard	Dr. Roger Launius NASA Headquarters	
Cheryll Madison Hughes STX	Dr. Marla Moore NASA/Goddard	Dr. Steve Paddack NASA/Goddard	
Dr. Robert Phillips NASA Headquarters	Jesco von Puttkamer NASA Headquarters	Representative Space Studies Institute	
Jacqueline Schenkel Arianespace	William Schick KPMG Peat Marwick	Alda Simpson NASA/Goddard	
William Smith US Subcom. on Space	Barbara Sprungman Space Data Resources, Inc.	Valerie Thomas NASA/Goddard	
Dr. David Thompson NASA/Goddard	Syed Towhccd Hughes STX	Charles Vermillion NASA/Goddard	
Frank Weaver UNET Communications	Dr. Bill Webster NASA/Goddard	Mark Wilson Booze Allen	

DUNBAR SENIOR HIGH SCHOOL PARTICIPANTS

Environmental Science Faculty Team

Tina Bowens Problem-Solving	Semere Ambaye Physics	Florence Ogburu CAD/Robotics
Lynne Kornegay Environmental Science	Bernard Cole Atmospheric/Marine Science	Janice Hylton Public Policy/Technical Writing

Space Science Faculty Team

James Conway Aerospace	Oneyrna Isigwe Telecommunications	Arman Mazique Engineering
Omar Kashif Problem-Solving	Marcia Exum Life Science	Joyce Coffey Public Policy
		Beatrice Moore Technical Writing

Advisors to Both Teams

Judith Richardson Pre-Engineering Coordinator	Sheila Harris Career Counselor	Carolyn Harris Space Studies Course Coordinator
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Second Annual Community Space Day Celebration

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THE ENTERPRISE MISSION

The Enterprise Mission is "preparing today's youth with the scientific, technical and problem-solving skills required for tomorrow's workforce." To meet this mission, the program is guided by a powerful collaboration among public and private sector organizations including the District of Columbia Schools, the Washington Space Business Roundtable, NASA, the U.S. Army Corps of Engineers, the University of Columbia and PEPCO.

In its second pilot year at Dunbar High School, the Enterprise Mission empowers students as leaders to conduct current space-related investigations in the nation's first school-based Space lab.

Applying math and science to real-world problems, using state-of-the-art technology, collaborating on multi-disciplinary teams, and analyzing real scientific data, combine to give students a unique insider's perspective to and preparation for future workforce opportunities, expectations and challenges.

Annually, the Enterprise Mission convenes teachers, scientists, engineers, policy-makers and other

experts to enhance and develop a curriculum that focuses on current issues related to space science and technology. The curriculum engages students in product-oriented research projects, designed to improve math, science and communications skills.

Today, the Enterprise Mission is delivered by an interdisciplinary faculty team in seven classes throughout Dunbar High School. In 1994, the program will be expanded to a second interdisciplinary faculty team responsible for administering an advanced curriculum for students completing the first Enterprise Mission. The Enterprise Mission also serves other District of Columbia schools by involving elementary and junior high school students in Space Quest, an after-school youth service program.

As the Enterprise Mission expands to other schools, a nationwide network will form for students and teachers to share information, gain access to experts and use diverse information resources via satellite and telecommunications technology. Within their own communities, these schools will become powerful resource centers and provide leadership to other schools for meeting national education goals.

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ENTERPRISE MISSION

From the Beginning

The Enterprise Mission is a partnership between Paul Laurence Dunbar High School in the District of Columbia and the Washington Space Business Roundtable (WSBR).

Established as a pilot program in spring 1991, the Enterprise Mission began as an after-school enrichment program to empower students with "real" space data stored on CD-ROM diskettes and received from the NASA Select Satellite and NASA Spacelink to investigate space science and technology problems. The first mission dealt with a Hubble Space Telescope Antenna problem.

Today, the Enterprise Mission is a full-year accredited course that involves five student-led research teams—History/Policy, Science, Engineering, Flight Dynamics, and Communications—responsible for collaborating on a joint mission. Past missions included: "Galileo's Journey to Jupiter—Solving the Antenna Problem" and "Magellan's Mapping of Venus—Producing a Global Map." Currently, students are involved in the Space Station Mission.

A Partnership

Paul Laurence Dunbar High School was established in 1870 as the first public high school in our coun-

try to educate African-American children. Dunbar has a long tradition of sending forth this nation's most distinguished leaders.

The District of Columbia's premier Pre-Engineering Program, Dunbar works closely with local universities to provide students with the most challenging and enriching education—The University of the District of Columbia, Howard University and The George Washington University.

A public high school with a demonstrated commitment to excellence, Dunbar's vision is to serve as an education and training center, electronically linking schools in an educational network dedicated to preparing students for the future workforce.

The Washington Space Business Roundtable

(WSBR) is a professional business organization dedicated to commercial space ventures. WSBR provides professional expertise, contacts and financial support to the Enterprise Mission. In 1992, WSBR and Dunbar High School signed a partnership agreement to translate the Enterprise Mission vision into reality.

This summer an Enterprise Mission Foundation will be established. Under its auspices, the Enterprise Mission Summer Institute for Teachers will be created to train teachers from schools throughout the country and create the Enterprise Mission network.

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ENTERPRISE MISSION

"Preparing today's youth with the scientific, technical and problem-solving skills required to succeed in tomorrow's workforce."

THE FACTS

Today, U.S. students graduating from high school rank 25th in international comparisons of science and math courses achievement. Less than 20% of American students take physics and trigonometry. Only 6% of our graduates take calculus in high school. A growing number of our students are graduating from high school with low competency in math, science and verbal skills.

Tomorrow's workforce will require workers who are team problem-solvers capable of applying mathematical skills and knowledge to job tasks. Scientifically literate workers capable of using technology will be essential. Scientists and engineers will be needed to address new global health, environmental and technology challenges, as well as to continue to advance society through research and discovery. Employers will seek workers who bring a global perspective in order to sustain a competitive edge.

Demographic projections for the year 2000 indicate that 1 out of every 2 Americans entering the workforce will be non-white or female.

THE CHALLENGE

Schools are pathways to America's future. There is growing disparity in educational opportunities afforded to our nation's young people, as well as in the family and community support systems that guide their development into productive citizens. Urban and minority students not only are at the greatest risk, they are the fastest growing population. Innovation and opportunity need to be directed into our urban schools to establish a track for these students that leads from school to work, especially careers in science and engineering, where minorities are underrepresented.

THE SOLUTION

Create an exciting learning environment in an American classroom—one based on a real workplace. Industry and government work with schools to ensure that students receive the academic preparation required for successful entry and advancement in the workforce. Equip the classroom with satellite, telecommunications and computer technology to multiply access to educational resources. Empower students as leaders of scientifically oriented investigations related to real-world problem solving. Create an interdisciplinary setting where students work on teams. Integrate math and science into projects that require students to master skills.

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ENTERPRISE MISSION

Driven by National Reform Strategies

National Reform Strategies

Hands-on inquiry approaches that emphasize solving real-world problems. ***Federal Coordinating Council on Science, Engineering and Technology***

Instruction based on transmission of knowledge, as well as on science as a system for answering questions about how the world works. ***U.S. Department of Education***

Curriculum approach that involves students in community service and prepares students for college and the workplace. ***Quality Education for Minorities***

Teacher-centered classroom shifted to a student-centered one. ***National Association of State School Boards***

Science learning goals that focus on interdisciplinary education. ***American Association for the Advancement of Science***

Applications of mathematical ideas to problem situations. ***National Council of Teachers of Mathematics***

Create a collegial atmosphere where the faculty use their strengths and work as a team. ***National Science Teachers Association***

Local industry and Federal Labs play an active role in the total education process. ***Task Force on Women, Minorities and Handicapped in Science & Technology***

Enterprise Mission Key Features

School-based Space Lab where teams of students investigate real-world problems related to space, science and technology.

Outcome-based, space-related problem-solving curriculum that requires students to apply math/science knowledge and skills to produce projects.

Utilization of diverse technologies employed in the workforce to enrich student research and presentations, as well as to enhance a *community service project* for grades 4-6.

Students leadership of research teams responsible for collaborating on year-long space missions.

Interdisciplinary student research teams: Science, Engineering, Communications, History/Policy, Flight Dynamics.

Mathematical problems related to space activities solved by students to produce team projects

Interdisciplinary faculty team participates in an annual curriculum development workshop.

Public and private sector involvement ensures accuracy of curriculum, access to data and resources and helps the school evolve into a place of learning that prepares students for the workforce.

Second Annual Community Space Day Celebration

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ENTERPRISE MISSION

1993/1994 Program Implementation Plan

Time Frame	Program Activity
June 1993	Dunbar Space Day Celebration Summative Program Evaluation WEFAX Installed and New Goals Set for Earth Observing Curriculum
July to August 1993	Summer Teacher Institute
August 1993	Student Educational Trip to NASA Facility 3-year Strategic Plan Completed Space Lab Enhanced to Include Multi-Media and Internet Technology
September 1993	Program Expanded at Dunbar - (1) New Faculty Team and another (60) students Program Orientation for Students Implementation of New Earth Observing and Revised Space Station Curriculum Robotics and Laser Labs Introduced at Dunbar Engineering Lab Upgraded with Additional CADs and Lab Equipment
October to December 1993	Space Mission Research and Development Phase Dunbar Opens Space Lab Program to DCPS Students/Teachers for Off-Campus Learning Identification of 10 New School Sites Partnership Agreement Secured for Satellite Link to Experts
January to March 1994	Space Mission Construction Phase Space Quest Community Service Project Expanded to Serve (6) DCPS Schools Secure Funds for 1994/1995 Program Budget
April to June 1994	Space Mission Test and Evaluation Phase 1994 Space Day Celebration
June to August 1994	Summative Program Evaluation Summer Teacher Institute with New School Teams Computer/Satellite Communications est. between Dunbar and other school sites Enterprise Mission Curriculum Available via telecommunications network

Second Annual Community Space Day Celebration

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MILESTONES

April to June 1991

- \$20,000 seed grant awarded to design and build Space Lab
- NASA Administrator, Admiral Truly, briefing in the Space Lab
- University of the District of Columbia loans professor
- Space Quest Community Service Program honored by YMCA
- First Lady, Barbara Bush, briefing in the Space Lab

July to August 1991

- \$2,500 grant for curriculum from D.C. Schools and NASA
- IBM donates computer hardware and software and training
- Congressman Ron Packard (CA) briefing in the Space Lab
- Dunbar implements year-long curriculum on planetary missions

September to June 1992

- National Association of Partners in Education provides one year of in-kind support
- \$5,000 grant from the Amelior Foundation for enhancing academic support
- First Annual Dunbar Space Day with TRW sponsoring the Leadership Luncheon
- NASA Administrator Daniel Goldin & Atlantis Crew attend Space Day
- Enterprise Mission receives WSBR Educational Excellence Award
- \$1,500 grant from Science Applications International Corporation for technology

June to August 1992

- Partnership agreement signed with Washington Space Business Roundtable
- Students receive internships: PEPCO, NASA, NIH and space companies
- \$5,000 grant from Peat Marwick for Curriculum Development Workshop
- NASA and Continental Airlines sponsor trip to JPL for students/faculty

September 1992 to April 1993

- \$20,000 grant from District of Columbia Public Schools
- Enterprise Mission integrated into seven classes at Dunbar
- NASA donates a WEFAX workstation
- U.S. Navy and U.S. Army Corps of Engineers Tech Center partner with Dunbar
- \$2,000 grant from Ford Motor Co. for 1993 Space Day
- \$5,500 grant from Commission on National and Community Service

ENTERPRISE MISSION
DUNBAR SENIOR HIGH SCHOOL

FACSIMILE COVER SHEET

Facsimile phone number: 456-7739

Date: 7/1/93

Facsimile replies: 202/673-2233

To: Mike Schmidt

Office: White House Domestic Policy Office

Phone: 456-2165

From: CAROLYN HARRIS

Phone: 202/673-6963

COMMENTS:

THE ENTERPRISE MISSION



Board of Advisors

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NASA/Goddard Space Flight Center

Dr. Wesley Harris
NASA, Associate Administrator

John Higginbotham
SpaceVest, President & CEO

Cheryll Madison
Hughes STX, Senior Administrator

Dr. Robert Phillips
NASA, Space Station, Chief Scientist

Dr. Eva R. Rousseau
Dunbar Sr. High School, Principal

William Schick
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Arianespace, Inc., Director of Marketing

Peter Stark
Consultant

Frank Weaver
UNET Communications, President & CEO

Program Directors

Carolyn A. Harris
Program Director

Judith Richardson
Chief Education Counsel

YOU ARE INVITED TO PARTICIPATE

in an education workshop

COUNTDOWN TO WORKFORCE 2000:

*"Designing a Space and Earth Sciences Curriculum
that Delivers on the National Education Goals"*

for a curriculum to be implemented by

**Paul Laurence Dunbar Senior High School
Pre-Engineering Program
Washington, DC**

hosted at the

**U.S. House of Representatives
by the House Subcommittee on Space**

1993 WORKSHOP AGENDA

COUNTDOWN TO WORKFORCE 2000 WORKSHOP

**Identifying Workforce Applications to Integrate into
the Dunbar SHS Space and Earth Studies Curriculum**

**Thursday, July 15th in
Room 121 Cannon House Bldg.
9:00 a.m. to 2:00 p.m.**

**Designing Student Research &
Problem-Solving Activities**

**Friday, July 16th
Room EF100, US Capitol
9:00 a.m. to 2:00 p.m.**

PLEASE RSVP TO DUNBAR SENIOR HIGH SCHOOL

Workshop Coordinators

**Carolyn Harris
202/673-6963**

**Judith Richardson
202/673-7239**

ENTERPRISE MISSION
DUNBAR SENIOR HIGH SCHOOL

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