DOE/MI/10270--T5

1993-1994 FINAL TECHNICAL REPORT

For

Establishing the SECME Model in the District of Columbia

Submitted to:

The United States Department of Energy (DOE)
1000 Independence Avenue, SW
Washington, D.C. 20585
Attention: Ms. Annie Whatley
Office of Minority Economic Impact and Diversity

by:

Southeastern Consortium for Minorities in Engineering (SECME)
c/o Georgia Institute of Technology
Atlanta, GA 30332-0270

R. Guy Vickers
Executive Director
(404) 894-3314

MASTER

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FG01-93MI

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Final Summary

The opportunities provided by this partnership are unparalleled in networking teachers from state to state and region to region in sharing information and ideas to improve the quality of instruction in the classroom. SECME has successfully expanded its consortium network by establishing the SECME school system model in the District of Columbia. In the premier year of the grant, SECME has established ten successful middle school programs. The participating schools are listed below. In addition, the University of the District of Columbia has been added as SECME's 34th Member University.

Backus Middle School	Charles Eliot Jr. High School
Francis Jr. High School	Hart Jr. High School
Jefferson Jr. High School	Kelly Miller Jr. High School
Paul Jr. High School	Roper Middle School of Math, Science & Technology
Stuart-Hobson Middle School	Taft Jr. High School

The past year has been one of exciting innovation in building quality programs that excite and motivate students in mathematics, science and technology. Developing a successful partnership is the cornerstone of an effective program. SECME's executive director and program coordinator, DCPS's superintendent and administrators, UDC's engineering faculty dean and representatives have developed a strong alliance. This partnership has met regularly throughout the year in participatory decision-making and leadership for the year's program activities and expansion. There is more excitement and enthusiasm in the classrooms and schools that are apart of the SECME program.

During the year, SECME coordinated a series of staff development programs promoting the interdisciplinary concept for teams of teachers (mathematics, science, language arts and counselors). Educators were empowered through in-service training in formulating ways to enrich their instructional program and develop motivational guidance activities for their students. Forefront of all staff development programs was the 1994 SECME Summer Institute held at the University of Alabama in Mobile, AL. Twenty one teachers from the District of Columbia Public Schools participated in the twelve-day activity. Additionally, the DCPS/UDC Design Competition student team from Hart Middle School (winners at UDC) flew to Mobile to compete in the national competition. The team won 3rd place among all SECME schools at the national Annual SECME Student Competition. A major achievement for a program in its first year.

Ten SECME schools received \$2,000 mini-grants for program implementation. School End of the Year reports attest to the success of the innovative projects that provided rich learning environments for students. Students attended workshops on engineering design, planted organic gardens, built aerodynamically designed airplanes and participated in other strategies geared toward improving their academic course work. Field trips to technical facilities and other specific academic or technical businesses were provided. Additionally students heard speakers from professional fields

including engineering, science, technology and education. All activities were designed to develop and maintain student involvement and enthusiasm. A sample of school activities is included with the end of the year school reports (see Exhibit I). Longitudinal data on student participation has been included in the SECME data base on each participating student. Final reports from DCPS and UDC also attest to the school system's success (see Exhibit I).

As evidenced by program evaluations, (see Exhibit II) teachers' skills, motivation and enthusiasm have been reinforced and recharged by working with the SECME program and by working with students in establishing specific academic goals. DCPS SECME teachers and counselors volunteer their time after school and on Saturdays to work on program activities and positive attitudes are reflected in extremely high levels of energy in cooperating on SECME projects. Frances Brock, Acting Supervising Director of Science, characterized the program as a Successful, Enriching Collaborative effort that has provided Motivating and Energizing experiences for students, teachers, parents, administrators...all involved".

The UDC's College of Physical Science, Engineering and Technology worked with SECME school programs throughout the District. The dean, engineering faculty consultant and NSBE students played critical roles in participating and leading staff development workshops, visiting schools, sponsoring student competitions, conducting engineering workshops and serving as the liaison between SECME schools and the university. NSBE students active participation with SECME students & teachers provided the additional advantage and perspective of students currently enrolled in engineering college studies and this helped to provide a realistic sense of requirements and a sense of college life.

SECME's new initiative for the next year is to strengthen the 10 SECME schools in the District of Columbia and to use the success and the experience gained to establish 8 new schools in DCPS and develop SECME programs in Prince Georges County Maryland. This expansion will encompass partnership with Bowie State University. A second initiative will be to develop local SECME industry/government partners to provide resources for enriching and sustaining SECME school programs.

As shown in the accompanying chart, the major goals and objectives of the Department of Energy's grant for *Establishing the SECME Model in the District of Columbia* have been achieved. The cooperative planning of the school system's administrators, program director, the university's engineering faculty consultant and SECME staff provided immense support to the DCPS teachers and counselors. As a result, minority students are receiving better preparation, not only for a technical education, but for all fields of study. Finally, it is important to note that SECME impacts teachers and when teachers' skills are enhanced, all students benefit.

**DISTRICT OF COLUMBIA PUBLIC SCHOOLS
SECME HIGHLIGHTS**

- In September 1993, R. Guy Vickers, SECME Executive Director, Brenda J. Simmons, SECME Program Coordinator and Annie Whatley, U.S. Department of Energy, Office of Minority Economic Impact and Diversity met with Dr. Franklin Smith and Dr. Joan Brown, District of Columbia Public Schools, Dean Philip Brach, University of the District of Columbia and other District of Columbia administrators to introduce and implement the SECME model in the District of Columbia.
- Dorothy Barton was named the SECME Program Director for the District of Columbia Public Schools and Frances Brock, Acting Supervising Director of Science, helped spearhead the SECME effort.
- On November 10, 1993, a SECME Fall Workshop was held at Backus Mathematics, Science & Technology Middle School and ten middle schools in the District of Columbia Public Schools joined SECME.
- Dr. Philip Brach, Dean of the University of the District of Columbia (UDC) College of Physical Science, Engineering and Technology, presented resources available through the university to the SECME teachers and counselors.
- In January 1994, Dr. Calvin Brooks, SECME Engineering Faculty Consultant, of UDC College of Physical Science, Engineering and Technology assigned two NSBE students to each SECME school.
- In January 1994, ten SECME schools received \$2,000 mini-grant awards.
- February 20-26, National Engineers Week - an open house for SECME students during was held at the UDC College of Physical Science, Engineering and Technology.
- On April 9, 1994, a very successful SECME Essay, Poster and Mousetrap Competition for local SECME school teams was held at the University of the District of Columbia Over 125 students, parents and educators attended.
- On April 14, 1994, a very productive mini-conference for SECME counselors, teachers and students was presented by the District of Columbia Public School Counselors at the UDC. Guest speakers were Dr. Robert Norwood, Director of Program Planning and Integration in the Office of Advance Concepts and Technology at NASA, and Mrs. Judith Richardson, Coordinator of the Dunbar Pre-Engineering Program at Dunbar Senior High School.
- On May 21, a systemwide Awards Banquet was held to recognize SECME students, educators and university faculty. Corlis Moody, Director, Office of Economic Impact & Diversity, DOE, was the keynote speaker for the banquet. Ms. Moody announced the awarding of a \$300,000 grant from the DOE to strengthen SECME programs in the District of Columbia.
- On June 19, twenty-one educators attended SECME's 18th Annual Summer Institute held in Mobile, AL.
- On June 26, four DCPS administrators attend the SECME Leadership Workshop during the Summer Institute in Mobile, AL.
- On June 28, Hart Middle School won third place at the Annual Mousetrap Car, Essay and Poster Competition - National Finalist Competition at the Summer Institute.

1993-94 SECME/DISTRICT OF COLUMBIA PUBLIC SCHOOLS
Dorothy Barton, Program Director
Professor Calvin Brooks, EFC

Backus Middle School
SECME School Coordinator: Robert Scott

Charles Eliot Jr. High School
SECME School Coordinator: Lawrence Rinehart

Francis Jr. High School
SECME School Coordinator: Charles Riddick

Hart Jr. High School
SECME School Coordinator: Mary Johnson

Jefferson Jr. High School
SECME School Coordinator: Diane Brown

Kelly Miller Jr. High School
SECME School Coordinator: Dr. Akindele Johnson

Paul Jr. High School
SECME School Coordinator: Romanita Harrod

Roper Middle School of Math, Science & Technology
SECME School Coordinator: Alaaeldin Saeed

Stuart-Hobson Middle School
SECME School Coordinator: Sandra Jenkins

Taft Jr. High School
SECME School Coordinator: Brenda Thomas

**SECME
UNITED STATES DEPARTMENT OF ENERGY
DISTRICT OF COLUMBIA PUBLIC SCHOOL PROJECT**

Work Plan: September 1, 1993 - September 26, 1994

A one year period of development for 16 SECME schools is planned beginning October 1, 1993 and continuing through September 26, 1994. Below are the sequential steps SECME will follow in developing the District of Columbia school programs.

OBJECTIVES	STATUS
Meet with Department of Energy officials, UDC College of Engineering and District of Columbia school system representatives to formalize the establishment of SECME.	COMPLETE October 1993
Meet with superintendent and mathematics/science coordinators to discuss SECME model and requirements for implementation. Secure program endorsement and support of school officials.	COMPLETE October 1993
Identify 16 schools to participate as SECME schools (site selection).	COMPLETE Fall 1993 ¹ 10 SECME Middle Schools identified. Plan to identify 6 SECME partner schools
Superintendent selects Program Director for the school system.	COMPLETE October 1993
Identify team of SECME teachers (mathematics, science, language arts and counselor) for each school.	COMPLETE November 1993
Identify SECME Coordinator for each team of teachers.	COMPLETE November 1993
Meet with UDC College of Engineering Dean to discuss SECME membership and program implementation time-frames.	COMPLETE November 1993
Identify UDC College of Engineering Faculty Consultant (EFC) or Minority Engineering Program Director (MEPD).	COMPLETE October 1993
Establish SECME teacher in-service workshop training time-frames.	COMPLETE October 1993
Establish District of Columbia SECME Program director and school principals' in-service training time-frames.	COMPLETE October 1993
Establish in-service training for EFC/MEPD at UDC College of Engineering.	COMPLETE November 1993
SECME team develop integrated implementation plan (includes identification of students). Develop goals and objectives.	COMPLETE December 1993
Conduct two in-service workshops for teachers facilitated by SECME staff.	COMPLETE October 27, 1993 November 10, 1993
First Quarterly Report due to DOE	COMPLETE January 1994

¹As agreed upon in the November 9 meeting

OBJECTIVES	STATUS
Implementation: January - March 1994	
Mini-grants (\$2,000) will be distributed to SECME schools (Proposal will be approved by SECME and school system).	COMPLETED January 1994 Mini-grants of \$2,000 each to 10 SECME schools
Workshops 3-5 will be conducted by SECME staff (time-frame to be determined).	COMPLETED February 3, 1994 April 12, 1994 June 11, 1994
UDC College of Engineering Saturday Science Workshops will begin in February 1994 and culminate in May 1994.	April 9, 1994 - Mousetrap Competition after school at SECME schools. Next year UDC/SECME plans are to strengthen this component of the program.
UDC College of Engineering EFC/MEPD will implement visitation schedule. At least two classroom visits will be made for each of the 16 schools.	Professor Brooks, UDC worked with each SECME school and NSBE students were assigned to SECME schools.
SECME Program Coordinator and Executive Director will provide necessary follow-up with the District of Columbia.	COMPLETED March, April, May and June 1994
Coordination (follow-up) meetings will be held with SECME program coordinator and District of Columbia SECME Program Director.	COMPLETED January 13-14 March 24-30 April 12-14
Selection of 16 teachers to attend 1994 Summer Institute held at the University of South Alabama, Mobile, AL.	COMPLETED March 1994 21 teachers attended. Additionally, 4 DCPS administrators will attend the SECME Annual Meeting
Second Quarterly Report due to DOE	COMPLETED May 1994
Implementation: April - June 1994	
UDC College of Engineering will pilot SECME school competition to be held on UDC's campus.	COMPLETED April 9
SECME Awards Banquet.	COMPLETED May 21
Upon successful completion of the Summer Institute, administer \$1,000 stipends to 16 teachers. 4 teachers will receive stipends from the DCPS.	COMPLETED June 30, 1994 20 attending educators received \$1000 stipends
Implementation: July - August 1994	
Third Quarterly Report due to DOE	COMPLETED December 1994
Fourth Quarter Report due to DOE	COMPLETED December 1994
Final Report due to DOE	COMPLETED December 1994

EXHIBIT I

1993-94 SECME SCHOOL'S ANNUAL SUMMARY REPORT

RECEIVED MAY 26 1994
mmr
AMG 7/1/94

(Prepared by School Coordinator. Please mail to SECME and
send a copy your Program Director - Due May 27, 1994)

School System District of Columbia

Name of School Taft Junior High School

Mailing Address 18th & Perry Streets, NE. Washington, DC. 20018
P.O. Box or Street/City/State/Zip

School Telephone Number (202) 576-6101

Principal Mr. James Howell
(Dr./Mr./Ms./Mrs.)

School Coordinator Brenda W. Thomas

Home Phone (301) 967-0335 Office Phone (202) 576-6101

Fax Phone (202) 576-6107

SECME Team Members

NAME & SUBJECT	YEARS ATTENDED SUMMER INSTITUTE
<u>Mr. Francis Bryan, Gen. Tech.</u>	<u>0</u>
<u>Ms. Donna Bradshaw, English</u>	<u>0</u>
<u>Ms. Elaine Black, Counselor</u>	<u>0</u>
<u>Ms. Joan Rutherford, Librarian</u>	<u>0</u>
<u>Ms. Brenda Thomas, Mathematics</u>	<u>0</u>
<u>Ms. Gloria Thompsom, Science</u>	<u>0</u>
<u>Ms. Harriett Ford, Ass't Principal</u>	<u>0</u>
<u>Mr. James Howell, Principal</u>	<u>0</u>

(Attach an additional sheet if necessary)

- 1) What parts of your SECME plan(s) were accomplished this year? Please
enclose supporting materials.

All parts of the Secme plan for our school was accomplished
this year.

HONORS AND AWARDS

CITYWIDE SCIENCE FAIR AWARD WINNERS

Myra Welch

- First Place - Environmental Science -
- Chesapeake Bay Foundation Award
- American Water Works Association Award -
- Water and Waste Operators Association of MD - DE, & DC
- \$75.00 United States Savings Bond

Ayana Brisco

- Second Place - Earth and Space Science -
- Geological Society of Washington Award
- Graduate Women in Science/Sigma Delta Epsilon Chapter
- George Washington University Engineering Alumni Association Award -

Christina Reynolds

- Honorable Mention - Chemistry
 - Central Intelligence Agency (CIA) Award
- \$50.00 United States Savings Bond and An invitation for Christina, her family and science teacher to attend a special awards program at CIA Headquarters on May 21, 1994

Katherine Pullings

- Graduate Women in Science/Sigma Delta Epsilon Chapter

Janese Franklin

- Certificate of participation

Maurice Robb

- Certificate of participation

University of the District of Columbia
College of Physical Science, Engineering and Technology

Office of the Dean, MB4201
4200 Connecticut Avenue, N.W.
Washington, D.C. 20008

Telephone (202) 282-7427

January 9, 1994

Ms. Brenda Thomas
Taft Junior High School
18th and Perry Streets, N.E.
Washington, D.C. 20018

Dear Ms. Thomas:

Congratulations to you and your team for ranking number 6 in the preliminary (Chapter Level) MATHCOUNTS competition on Saturday, February 5, 1994.

Please complete the enclosed Registration Form and mail it to me at the above address or FAX to (202) 274-5850 by February 28, 1994. A call to Mrs. King in my office (202) 274-5163 to confirm your participation will also be appreciated.

The format for the State Level competition is similar to the Chapter Level competition (see enclosed schedule of events for the contest).

The top four students in the State Level competition will comprise the State team to compete at the National competition on Friday May 13, 1994

Juice, donuts, and coffee will be available during registration and a light lunch will be served to the workers and participants.

Please encourage family and friends to attend the open session (Countdown Round) beginning at noon in Building 32, Room ABBE. This is the "quick" response session with the buzzers -- every team member will participate in this round at the State Level.

Please plan to arrive early so the contest may start promptly at 8:50 a.m. I look forward to seeing you and your team on March 5, 1994.

Sincerely,

Philip L. Brach, Ph.D., P.E.
MATHCOUNTS coordinator, DCSPE

Enclosures

NO ALTERNATES WILL BE SEATED AT THE STATE LEVEL COMPETITION.

MATHCOUNTS TEAM PLACED SIX IN
THE CITY AND STATE LEVEL
COMPETITION.

PARENT CORRESPONDENCE

TAFT JHS
18TH & PERRY STREETS, NE.
WASHINGTON, DC. 20018

May 13, 1994

Dear SECME Parents:

We are pleased to say that our SECME program was very successful this year. As a member of the SECME team, your child was afforded the opportunity to participate in many enriching activities.

As a closing activity, there will be an awards luncheon held on Saturday, May 21, 1994, 12:00 noon at the Carnegie Library, 800 Mt. Vernon Place, NW. Plans have been made to accommodate 30 participants from Taft. We need to know if your child will attend in order for the luncheon committee to properly prepare for them. Please let us know your child's intentions by Wednesday, May 18 by signing and returning this form. Any forms not returned by that date will not be considered.

Thank you for allowing us to work with your child as we strive to provide excellence in education.

Yours truly,

SECME Team Teachers

Child's Name _____

_____ My child will attend the Secme luncheon.
_____ My child will not attend the luncheon.

TAFT JUNIOR HIGH SCHOOL
18TH & PERRY STREETS, NE
WASHINGTON, DC 20018

February 8, 1994

Dear Parent:

Your child has been selected to participate in the SECME program. SECME is a precollege program that prepares and motivates students for engineering and other technical fields. The purpose of SECME is to increase the number of minority students who are prepared to enter and complete studies in engineering, mathematics and science.

We are pleased to have your child as a participant and look forward to a rewarding year. We have planned several enriching activities for our SECME students.

In order to have a successful program, it is necessary to meet with our participants. So, as not to interrupt their instructional program, we are asking students to remain after school on Thursday, February 10, until 3:45.

Please sign below if your child has your permission to remain after school. If you have any questions, you may call any of the teachers listed below on 576-6101.

Sincerely,

Mrs. B. Thomas, Math Teacher
Mrs. E. Black, Counselor
Ms. D. Bradshaw, English Teacher
Mrs. J. Rutherford, Librarian
Mr. F. Bryan, Technology Teacher

Please detach and return to any teacher listed above.

_____ My child has permission to remain after school on
Thursday, February 10 until 3:45

_____ My child cannot remain for the meeting.

Parent Signature _____

PROGRAM EVALUATION

Taft Junior High School
18th and Perry Streets, N.E.
Washington, D.C. 20018
(202) 576-6201
Mr. James Howell, Principal

SECME EVALUATION

To help us in planning the SECME program for 1994-95, please respond to the following items:

1. List your involvement in the SECME projects for 1993-94.

2. In what way did the SECME program help you?

3. What were some of the goals of the SECME program for this year?

4. What do you think of the SECME program?

5. Would you like to be part of SECME next year? _____

6. What would you like to see added to the SECME program next year?

7. What do you think should be changed for next year in SECME?

8. What is your overall rating of the SECME program for this year?

Please circle your answer.

Excellent

Very Good

Good

Fair

SECME SPONSORED ACTIVITIES

TAFT JUNIOR HIGH SCHOOL

MATH CLUB

SPONSOR-MRS. BRENDA THOMAS

THE MATH CLUB IS DESIGNED TO INCREASE STUDENT INTEREST AND MATH SKILLS BY PROVIDING CHALLENGING AND ENRICHING ACTIVITIES. THROUGH THE MATH CLUB, STUDENTS ARE ABLE TO PARTICIPATE IN MANY MATH RELATED ACTIVITIES. MATHCOUNTS IS A PART OF THE MATH CLUB. STUDENTS PARTICIPATE IN CITYWIDE MATH COMPETITIONS.

PARTICIPANTS 1993-94

MARTHA PAZ
MARIA VASQUEZ
LORENA VASQUEZ
MAURICE ROBB
KATHERINE PULLINGS
TANIZA HOLMES
PETA-GAY LEWIS
SANITA HOLMES
ANDRIA LAWSON
AYANNA BRISCOE
ANDRIA LAWSON
RONALD BLACKWELL
DAMIEN FREISON

THE MATH COUNTS TEAM MEETS ONCE A MONTH DURING LUNCH TIME.

MATHCOUNTS TEAM
TANIZA HOLMES - CAPTAIN
SANITA HOLMES
ANDRIA LAWSON
PETA-GAY LEWIS
MAURICE ROBB - ALTERNATE
KATHERINE PULLINGS - ALTERNATE
AYANNA BRISCOE - ALTERNATE

THE MATHCOUNTS TEAM MEETS EVERY WEDNESDAY DURING LUNCH BREAK. WHEN NEARING COMPETITION, THE TEAM MEETS FOR 45 MINUTES AFTER SCHOOL, MONDAY THROUGH THURSDAY.

ATTENDANCE HAS BEEN EXCELLENT.

TAFT JUNIOR HIGH SCHOOL

SECME - CAREER FAIR AT GW

Twenty-five members of Taft's Secme Group attended a Career Fair at George Washington University on Tuesday, April 12, 1994.

The activities were part of a career fair sponsored by dozens of scientific associations and aimed at getting more minority students hooked on science.

Our students were complimented on their behavior and were highly visible and actively involved in group sessions.

TRIP TO NATIONAL AIRPORT

On February 24, the Secme students visited National Airport. This trip was sponsored by the Department of Engineers in recognition of National Engineers week.

While at National, the students were greeted by Professor Neel, a staff member from the University of the District of Columbia. They were given some interesting information on college requirements needed to become an airplane technician. Students had many questions for Professor Neel concerning the different types of planes and requirements for other occupations involving planes.

Students were also given a tour of the shop. While in the shop, they were able to see technicians at work. They viewed several engines from different size plane. They were able to see inside small engine planes and a helicopter.

They were also taken outside to see planes being taxied out to the runway. Eating lunch in the airport was an experience within itself because they had to pass through metal detectors to enter the food court.

Students enjoyed their day and came away with a wealth of new knowledge as well as broader career aspirations.

101 2nd SECME Students
with Professor Neel
at National Airport

SECME STUDENTS GATHER AFTER A
GROUP MEETING.

TAFT JHS

Acknowledgments

We would like to express our heartfelt appreciation to all who helped to make the conference a success.

A special thanks is extended to:

- Mrs. Elaine Black, SECME Mini-Conference coordinator and the SECME counselors for planning and facilitating program activities.
- Professor Calvin Brooks and the UDC Department of Mechanical Engineering for hosting the conference.
- Our guest speakers and workshop presenters who volunteered to support the conference.

District of Columbia Public Schools

Franklin L. Smith

Superintendent of Schools

Chief State School Officer

Maurice R. Sykes

Deputy Superintendent

Center for Systemic Educational Change

Frances Brock

Supervising Director of Science (Acting)

Dorothy E. Barton

SECME Director

SECME Mini Conference

Theme:

Designing a Career Path:

Helping Students Transition from School to Work

Thursday, April 14, 1994

8:30 A.M. - 1:00 P.M.

University of the District of Columbia

Van Ness Campus - Building 42

Washington, D.C.

SECME ROCKET LAUNCH ACTIVITY

A decorative border of balloons surrounds the text. The balloons are arranged in a rectangular frame, with some shaded in a halftone pattern and others left white. They are tied with strings and have small bows.

TRIP TO KINGS DOMINION FOR MATH & SCIENCE DAY

DATE: FRIDAY, MAY 27, 1994

DEPARTURE FROM TAFT JHS - 7:00 AM.

RETURN TO TAFT JHS - 6:30 PM.

COST - \$15 PER STUDENT (TO COVER BUS; PARK
ADMISSION PAID BY GRANTS THROUGH YOUR
SPONSORS)

LUNCH - STUDENTS WILL BE RESPONSIBLE FOR OWN
LUNCH. MAY BRING BAG LUNCH OR PURCHASE
AT THE PARK. FOR \$4.45 PER PERSON, A
PICNIC LUNCH INCLUDING A HAMBURGER, BAG
OF CHIPS, ICE CREAM, AN APPLE AND UNLIMITED
SOFT DRINKS CAN BE PURCHASED BY BUYING
A MEAL TICKET. MEAL TICKETS CAN BE
PURCHASED IN ADVANCE.

ALL MONEY IS DUE BEFORE APRIL 29TH.

SCHEDULED EVENTS

*RIDES; GAMES; CONTESTS; LECTURES; SHOWS;
ACTIVITY BOOKS;

SPONSORS/CHAPERONES:

MRS. BUCK - MATH TEACHER

MRS. BROWN - SCIENCE TEACHER

MRS. CALDWELL- SCIENCE TEACHER

MRS. THOMPSON - SCIENCE TEACHER

MRS. THOMAS - MATH TEACHER

SECME TEAM TEACHERS- MS. BRADSHAW, MR. BRYAN, MRS.
BLACK, MRS. RUTHERFORD

TAFT JUNIOR HIGH
18TH & PERRY STREETS, NE
WASHINGTON, DC. 20018

Dear Parents:

Math & Science education is proving to be increasingly important as our society becomes more technologically complex. Therefore, our mathematics and science programs must have greater appeal to students. Relaxing math and science concepts to real life situations and experiences is a good way to boost student attitudes towards these programs.

Around the nation, theme parks such as Paramount's Kings Dominion have become popular places to help emphasize the importance of mathematics and science in today's society. Paramount King's Dominion has put together a creative instructional package for teachers that includes preparatory, in-park and follow-up activities for their students.

The math and science department is planning a trip to King's Dominion on May 27th in order to take advantage of this wonderful opportunity. The park will sponsor a Math and Science Day for students only and will be closed to the public. (see attached flier)

Please let us know if your child will be participating by marking the appropriate space and signing below. We need to have this information by Wednesday, April 20, so plans can be finalized.

Thank you for your prompt attention. If you have questions, please call me on 576-6101 between 8:30 and 3:30.

Sincerely,

Mrs. B. Thomas

Mathematics Teacher

_____ My child will participate in the above trip.

_____ My child will not participate in the above trip.

Parent signature _____

APPROVED

James H. Hensley

1993-94

KMU - SECME REPORT

**Ronald A. Hasty
Principal**

DISTRICT OF COLUMBIA PUBLIC SCHOOLS

COVER SHEET

NAME: KMU - SECME

SCHOOL: KELLY MILLER JUNIOR HIGH

ADDRESS: 49th and Brooks Streets, N. E.

CITY/STATE/ZIP: Washington, D. C. 20019

PRINCIPAL: Mr. Ronald A. Hasty

TELEPHONE NUMBER: (202) 724-4611

PROJECT TEACHER(S): Dr. Johnson Akindele, Ms. Cynthia Harvey, Mr. Wilbert Miller

Ms. Kathleen Crestwell, Mr. Matthew Hicks

NUMBER OF YEARS YOUR SCHOOL HAS BEEN AFFILIATED WITH SECME: 1

1 The grant from SECME has enabled us to set up a science enrichment program in our school. The grant enabled us to prepare and motivate twenty-seven (27) seventh grade students to achieve academic excellence in pre-engineering, mathematics, communications and science courses. This early intervention program coupled with our College Knowledge Club activities have increased our students' basic skills and their self confidence and self esteem. Most of these students are now engaging in goal setting that includes post secondary education and are being convinced that higher education is not beyond their reach.

A survey of their academic report showed that all students in the program (except one) have achieved academic excellence in all courses that they took this year. All students have a grade point average of 3.0 or better. All students (except one) are on the KMU Honor Roll. Nine students have been inducted into the National Junior Honor Society with a GPA of 3.5 or better. Kevin Rollins and Erica Wilson won 3rd Place and Honorable Mention in the 1994 KMU Science Fair. Kevin, Erica and Kareem Burgess won 1st, 2nd and 3rd Places among all seventh graders while Danielle Jones and Marlene Williams won Honorable Mention Awards among all seventh graders.

Kevin Rollins, Erica Wilson and Jerome Lee represented Kelly Miller

Junior High School at this year's DCPS Citywide Science Fair. Kevin and Jerome both won special awards (1st and 2nd Place) from the District of Columbia Science Educators Association respectively.

While we chose not to compete in the Citywide SECME competition this year, we had essay and poster competitions in our school. We participated as observers in the SECME Citywide Mousetrap Car Construction and Run this year. SECME students' excitement and enthusiasm for learning are increasing as their classmates gain recognition and prizes. More and more students are choosing to master concepts in fun and memorable ways.

Our College Knowledge Club activities (trips to various universities, career fairs, "Genes Shadow Day" and other constant hands-on activities) are giving our students excellent reasons to value education and learn the relationship between excellent grades in education (college education) and higher economic rewards in our society. Every scientist told the same stories over and over again, be it college students, professional scientists or career counselors, many of whom are minorities (NSBE members for one). During the "Genes Shadow Day" each student attended classes with college student role models at the University of Maryland (see attached program and photos) and later had lunch with them to discuss their

experiences. Each student then wrote an essay on their experiences (using the computer to type their reports).

To the extent that our students are turned on to science now, have visited several colleges and interacted with college students and can now confidently explain their different projects, answer questions and demonstrate thorough understanding of scientific methods and concepts, we believe that SECME is a valuable program that is convincing our students that post-secondary education is not beyond their reach.

Science, engineering, communication and mathematics enrichment are what this nation needs to be a global competitor. We share SECME's view that the most valuable asset in today's global economy is a well educated, well trained work force.

Thus, in order to ensure continued improvement of the Kelly Miller Junior High School's academic program, we need the financial assistance and continuing support from SECME.

Ronald A. Hasty
Principal

Dr. Akindele O. Johnson
Program Coordinator

#2 All KMU - SECME students were evaluated individually on their mastery of required skills and objectives as defined by our goals. A summary of the 1993-1994 KM - SECME Activities Guide is hereby attached.

KMU - SECME team teachers and principal progressively reviewed every student's academic records in all subject areas. (Advisory academic reports, behavioral reports, reports of their Comprehensive Test of Basic Skills and Secondary Progress Plan Test [SSPP] are pending).

Each student's progressive participation in all KMU - SECME activities were documented in writing and on video and photographs wherever possible (see attached).

#3 Others in our school benefited. Classroom hands-on enrichment activities developed for SECME students were shared with other science teachers who taught these skills to their students. As the program coordinator, science teacher, and science department chairperson, I developed a written enrichment curriculum and strategies to accomplish the set goals. Typically, the hands-on scientific activities covered all areas of physics, chemistry, biology, mathematics and computer literacy necessary to build the basic skills of any student aspiring to be engineers, scientists or entering other technical fields. A few of our activities have included "The Egg Citing Experiment", determination of acids and pHs in fresh fruits, detection of starch in different foods, dissection of live catfish, and the studying of its environment, pollution and other ecological topics.

#4 Yes. My colleagues often use the resources from this project because their students are also demanding to master scientific methods and concepts in fun and exciting ways.

#5 Today's students prefer to discover science in new and exciting ways, see scientists at work and investigate careers in science, mathematics, engineering and communications themselves via hearing from the scientists themselves about the advantages of various careers and how or what skills are necessary to be like who they are.

#7 More students in our school need to be in this program. Only a select group of seventh graders are in the program now. More and more students are requesting to join SECME now. More resources will be required to accomplish this. And what about the new seventh graders next year? As the program coordinator, I know that we need at least two computers for computer assisted teaching and for networking purposes.

Early intervention is a very valuable tool to convince students that higher education is not beyond their reach.

1993-1994 KMU - SECME ACTIVITIES GUIDE

- o Program Orientation (Parent/Student Meeting)
Used SECME Video
- o Used SECME Middle Grades Brochure
- o Used SECME Video Activities Packet
- o Provided mentors and college role models (NSBE, University of Maryland)
- o Provided tutors - Pre-College Initiative (PCI) Program
- o Enrolled students in College Knowledge Club
- o Taught study skills
- o Taught test-taking skills
- o Taught goal setting and time management skills
- o Involved students in cooperative learning schemes
- o Had consistent hands-on activities
- o Involved students in school (KMU) Science Fair, DCPS Citywide Science Fair, SECME Essay and Poster Competitions (within school this year): observed the SECME Mousetrap Car Construction and Run Competition
- o Exposed students to careers in science, engineering, mathematics and communications. "FIST Career Fairs" April 12, 1994, SECME "Career Mini-Conference", "Gene Shadow Day"
- o Conducted field study trips to local and out of state colleges

George Washington University, Washington, D. C.

University of Maryland, College Park, Maryland

Spelman College, Atlanta, Georgia

March 25, 1994

Clark-Atlanta, Atlanta, Georgia	March 25, 1994
Florida A & M (Consultant), Atlanta, Georgia	March 24, 1994
SECME Head Office, Georgia Tech, Atlanta, Georgia	March 25, 1994
Morehouse College, Atlanta, Georgia	March 25, 1994
Morris Brown College, Atlanta, Georgia	March 25, 1994
Fayetteville State University, Fayetteville, North Carolina	March 26, 1994
Cheyney University, Pennsylvania	May 18, 1994
Lincoln University, Pennsylvania	May 18, 1994

- o KMU Behavior Modification Program (see attached)
- o Testing: CTBS (Comprehensive Test of Basic Skills)
SSPP (End of Course Examinations)
Advisory Evaluation Reports
- o SECME Mini Conference
- o SECME Awards Luncheon May 21, 1994
- o KMU-SECME Students (and Parents) Awards Day
June 15, 1994

1994 KMU - SECME NATIONAL JUNIOR HONOR SOCIETY INDUCTEES
(GPA 3.5 or Better)

Kevin Rollins

Erica Wilson

Stephanie Gray

Danielle Jones

Ebony Mann

Tomeka Lee

Shadonna Jacobs

Quiana Howard

Kiana Jones

<u>SEOME</u> <u>STUDENTS</u>	<u>SEX</u>	<u>GRADE</u> <u>LEVEL</u>	<u>CURRENT</u> <u>GRADE</u> <u>POINT AVERAGE</u>	<u>KMU</u> <u>HONOR</u> <u>ROLL</u>	1993-1994 <u>NATIONAL</u> <u>JUNIOR</u> <u>HONOR SOC.</u>
Baker, Vandez	M	7	2.0	No	
Brashears, Juana	F	7	3.45	Yes	
Burgess, Kareem	M	7	3.03	Yes	
Cole, Kene	M	7	3.01	Yes	
Gray, Stephanie	F	7	3.61	Yes	Yes
Green, Roy	M	7	3.00	Yes	
Hawkins, Tiffany	F	7	3.51	Yes	
Hicks, Domenick	M	7	3.00	Yes	
Hillie, Catisha	F	7	3.04	Yes	
Howard, Quiana	F	7	3.51	Yes	Yes
Jacobs, Shadonna	F	7	3.50	Yes	Yes
Johnson, Michelle	F	7	3.31	Yes	
Jones, Kionna	F	7	3.50	Yes	Yes
Jones, Danielle	F	7	3.53	Yes	Yes
Lee, Tomeka	F	7	3.53	Yes	Yes
Lee, Jerome	M	7	3.00	Yes	
Mann, Ebony	F	7	3.67	Yes	Yes
Minor, Tico	M	7	3.10	Yes	
Williams, Marlene	F	7	3.00	Yes	
Mashack, Rasmendae	F	7	3.10	Yes	
Phillips, Darius	M	7	3.00	Yes	

Robinson, Brandy	F	7	3.04	Yes	
Robert Brown	M	7	3.00	Yes	
Rollins, Kevin	M	7	3.50	Yes	Yes
Wilkerson, Desiree	F	7	3.38	Yes	
Wilson, Erica	F	7	3.50	Yes	Yes
Wilson, Tokeitha	M	7	2.99		

GENES SHADOW DAY

at University of Maryland, College Park
Sponsored by the National Society of Black Engineers
Friday, December 10, 1993.

AGENDA:

09:30	Bus arrives from Kelly Miller Junior High School.
09:30-9:50	Pick up students at BES Lounge, ENGR. Bldg. Room 0112.
10:00-10:50	Take student to your class.
11:00-11:50	Take student to next class.
12:00-01:00	Lunch at the Stamp Student Union.
01:00-01:50	Assembly, "Getting Feedback from the students" ENGR. Bldg. Rm. 3110.
01:50-02:00	Load the Buses for Departure back to Kelly Miller Junior High School.

-Shadow Day Coordinator, Alice Sesay, PCI Chair

Demerits Report Sheet

Student Name

Section

Teacher

Points

Infractions

25 Smoking / Drug use

25 Suspension(s)

15 Fighting

10 Running in halls

10 Cutting class(es)

15 Disrespecting adults

05 Failure to bring material to class

10 Excessive disruption of class(es)

10 Excessive tardiness

02 Improper dress

25 Leaving school grounds/classrooms without permission

02 Using profanity in school

25 Weapon possession

Grand total

Participating Students

1. Myron Miller	22. Stephanie Gray*
2. Erica Wilson*	23. Lynita Butler
3. Jerome Lee *	24. Kene Cole *
4. Brandi Johnson	25. Nicole Little
5. Kevin Rollins *	26. Ebony Mann *
6. Andrew Simms	27. Tristan Smith
7. Curtis William	28. Rohnett Williams
8. Kareem Burgess *	29. Juanita James
9. Jamie Hamilton	30. Devin Clark
10. Marlene Williams*	31. Rosemary Surgick
11. Clinton Mercer	32. Santressa Wright
12. Markeater Gay	33. Sheimilla Gregory
13. Najibah Al-Mahdi	34. Shadonna Jacobs *
14. James Surles	35. Vernon Evans
15. Troy Harris	36. David Holmes
16. Cemetria Davis	37. Michelle Johnson *
17. Dana Thomas	38. Katrina Hill
18. Jerone Perry	39. Tyrone Johnson
19. Danielle Jones *	40. Akosua Kwakyewaa
20. Tico Minor *	41. Akilah Mitchell
21. Terry Barnes	42. Evalyn Peterson

*SECOMB STUDENTS

Program

Overview and Purpose of the Science Fair Mr. Wynn

Introduction of Judges Ms. Atkins
 Jennifer Briskin, Mgr. Comm. Cr., G.E. Information Services
 Mrs. Janice Nicholas, Assistant Principals Kelly Miller J.H.S.
 Mrs. Jenette Adams, Assistant Principals Kelly Miller J.H.S.
 Alice Sesay, PCI Chairperson National Society for Black Engineers
 Ms. Jefferson, Home and School President, K.M.U.
 Mrs. Carr, Home and School Vice Pres. K.M.U.

Judging Criteria Mr. Don Jackson
 The Fair will be for the exhibition of projects of students of all grade levels. The judging criteria will be the same as those used in the City Wide Science Fair: Appropriate topic - 5 points, Planning - 10pts., Scientific thought - 25pts., Creative Ability - 25pts., Conclusions - 10pts., Exhibit - 20pts., & Oral Presentation - 5pts.

Award Categories Dr. Johnson Akindele
 General Awards

First Place
 Second Place
 Third Place
 Honorable Mention

Will be selected for grade 7th, (8th and 9th combined)
 A grand award winner will be selected from among all first place winners in each grade level. This winner receives a Certificate, Ribbon, Trophy and Monetary Award.

Awards Presentation to take place during the H.S.A. meeting this evening.

Announcements
 Closing Remarks

Mr. Ronald Hasty,
 Principal

KELLY MILLER JUNIOR HIGH SCHOOL

Wednesday, March 23, 1994

**MUSIC IN OUR SCHOOLS MONTH
FOREIGN LANGUAGE MONTH
HIV/AIDS AWARENESS MONTH**

BULLETIN NO. 118

TEACHERS

1. TESTING PREPARATION today through Friday. Teachers, we ask your assistance in getting students to report to homeroom promptly.

2. MANY, MANY THANKS to those staff members who donated to the College Knowledge Club for their trip. We will see you when we return. Wish us well!

3. COLLEGE KNOWLEDGE CLUB TRIP TO ATLANTA: The bus leaves at 10:00 p.m. tonight and will return on Sunday evening. Teachers, please excuse these students.

4. TEXTBOOK REQUISITIONS: These are due in April. I am requesting department chairpersons to meet with members of their department and submit a list of textbooks which are needed for next year. Remember our textbook allocation is \$4000+ (cut in half). So please prioritize your requests.

5. VOCABULARY (TESTING): Please incorporate the 10 daily words into lessons each day. Also, place words on the board and have them for the entire day.

aptitude -	ability	ancestry -	descent
anxiety -	worry	belated -	late; tardy
basin -	bowl	boisterous -	loud; rowdy
blueprint -	plan	bewilder -	confuse
controversy -	dispute; debate	construct -	build

6. LUNCH CARDS: Teachers are asked to distribute lunch cards to students whose names appear on the card. Lunch cards are not transferrable.

7. EMPLOYMENT OPPORTUNITY: ARE (Associates for Renewal in Education) is participating in the Mayor's Youth Employment Program with a program called The Educational Linkages Institute. The program needs Module Leaders and Field Monitors who must be certified teachers, currently teaching, retired or have demonstrated professional competence in the field. Applications are available in the office. Notice is posted for further details.

**** **TIMOTHY McFADDEN** is not to be sent on errands at any time, for any reason, by anyone during the school day.

8. STAFFING/TEACHER ALLOCATION:

	1994-95	1993-94
Teaching Positions	34	39
Counselors	2	2
Librarians	1	1
Total	37	42

As the above figures indicate, we have been allotted 5 fewer teaching positions for 94-95. That means we will lose five (5) teaching positions next year. I will meet with the Restructuring Team

DISTRICT OF COLUMBIA
PUBLIC SCHOOLS

Kelly Miller Junior High School

49th and Brooks Streets, N.E.
Washington, D.C. 20019

June 7, 1994

Dear Parent/ Guardian:

We are having our closing SECME Awards Ceremony for the 1993-94 school year on Wednesday, June 15, 1994 from 6:30pm to 8:30 pm.

You are cordially invited to attend this joyous affair. Dinner will be served; therefore, students are ONLY allowed to invite TWO (2) per household.

Please sign and return the bottom portion if you plan to attend no later than Friday, June 10. We're looking forward to seeing you.

Approved,

Ronald A. Hasty
Principal

Educationally yours,

SECME Team
Kelly Miller JHS

Student _____

Guest _____

Guest _____

The Lion's ROAR

Spring '94

Volume 1 Number 2

Kelly Miller Junior High, Washington, D.C.

From the Principal's Pen

This time last year talk of consolidating schools was the topic at hand. It has become a reality one year later. While the start has been much like our weather—a challenge—that has gotten better as we look back at what was.

In September, we had two staffs, now we have one. The spirit of the maroon, gold, and white has begun to flow. We have reached the half way point. With the continued efforts of staff, students, and parents each month unity becomes an accomplished goal.

Our cooperative efforts, the Fashion/Talent Show, Black History Observation, Test Taking Program, and grade level teams are increasing. The bonding has brought together visions, ideas, and hard work for the good of our youth.

—Ronald A. Hasty

Staff Fashion And Talent Show

by

Jowana Foskey

MILLER'S staff and family members performed at Miller on Friday, March 4. Ms. Harvey coordinated the show which collected money for the College of Knowledge Club. Participating family members included Ms. Harvey's brother, Sheldon Harvey a singer, and godson Sirron Evans, a pianist. Both traveled here from Fayetteville, North Carolina, to help with the event. Mrs. Carr's twins, Shelly and Bianca, danced and Mr. Miller's daughter, Yolanda sang. Mr. Hasty our principal sang lead with a group of teachers which included Mr. Hicks, Mr. White, and Mr. Jones. Teachers Mr. Young and Ms. Chandler each provided a song while Mrs. Bastian played the piano for each singer. Aaron Watkins, who often assists with the choir, presented a lively dance routine. Mr. Brooks and Mr. Jones provided between the act entertainment. Dana Thomas and Shantina Spencer also participated. The Sister Act included Braswell, Chandler, Crestwell, James, and Williams.

The highlight of the afternoon was the fashions provided by Mrs. William's boutique. Casual, day and evening wear were shown.

The money for the College of Knowledge Club helped in the tour of college campuses in North Carolina and Atlanta, Georgia. The trip which is taking place as we go to press. More about the trip in our next paper.

SPECIAL THANKS!

During the transition of teachers and students the support staff often worked hard and was never thanked by the many staff members helped by their services. Here's special thanks to the engineering and custodial staff that lugged tons of furniture and supplies from vans and trucks and throughout the school.

Hats off to the cafeteria staff that adjusted to the two-in-one lunch period with more students and teachers to feed. Let's not forget the overwhelming paper work and time spent by clerical and administrative staff members

Again, many thanks to each of you very special people.

THE LION'S ROAR

SPRING, 1994

Volume 1, Number 2

Published by the Kelly Miller Junior High School,
Washington, D.C.

Ronald A. Hasty, PRINCIPAL

Gloria Lawlah, SPECIAL ASSISTANT TO THE PRINCIPAL

Janice Nicholas, ASSISTANT PRINCIPAL

Jeanette Adams, ASSISTANT PRINCIPAL

STAFF

Jowana Foskey, Editor/Writer

Santresa Wright, Assistant Editor/Writer

Shantina Spencer, Student Writer

Najibah Al-Mahdi, Student Writer

Ms. Bastian, Contributing Writer

Ms. Ellis, Contributing Writer

Ms. A. Chandler, Advisor

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Staff Mini-Retreat

January's mini-retreat staff development day for the entire "University" staff featured Mr. Al Way of the Jubilee Christian Training Center and Mrs. Juanita Gray, Sousa Middle School counselor. Food was provided by Mr. Vest our cafeteria manager, staff and students. A surprise presentation was made to Mrs. Bettie Moten of the counseling department for the outstanding work she provides for the entire student body.

During the morning session, Mr. Way talked to teachers about getting things done by going "outside the box" and then returning inside the box to get things done. A dynamite national speaker his talk was motivational He lived up to his name of "The ENCOURAGER".

Dr. Jimmie Jackson, President of the Washington Teachers Union made the luncheon presentation addressing the concerns of teachers today. During the afternoon, period Mrs. Gray presented the Middle School concept to teachers. She presented a fall course for teachers and administrators this fall at Miller. She was asked to returned and share key ideas of middle schools with our entire staff.

The two main areas of change from junior high to middle school include exploration of courses and nurturing students.

GET WELL WISHES

Ms. Mullen, Mrs. Smith, and Mrs. Thorne, the Kelly Miller family wants you to know you are missed and in our prayers.

We wish each one of you a speedy recovery.

**The Lions
at work
on the court.**

Raymond Mercer

STRINGS DO IT AGAIN!

The KMU String Ensemble was presented with a lecture/demonstration given by Vincent Rowe, Jr. Vincent is a graduate of Kelly Miller JHS where he received numerous awards and recognition as a violinist with the KMU String Ensemble. He

continued with the KMU String Ensemble. He continued his musical training at the Duke Ellington School of the Arts where he graduated with honors.

Mr. Rowe is now a junior at the Wesleyan School of the Arts, in New Jersey on a full scholarship. He performs with several ensembles around the city.

We are certainly proud of his accomplishments and are so appreciative of him taking the time during his Christmas break to share his experiences with us. The KMU String Ensemble was quite impressed and encouraged to see that there is a future for them if they persevere.

Shantina Spencer was featured in the Washington Times cover story January 17, 1994. She was interviewed and photographed at the KMU Martin Luther King assembly.

The KMU String Ensemble performed at the Washington Hilton Hotel for the Black History Month luncheon sponsored by the Association for the Study of Afro-American Life and History on February 5th.

Valentine's Day Dance

by Santresa Wright

The Valentine's day Dance was a blast. Some students talked and joked while others danced to the different songs including the Electric Slide. Some of the teachers participated in doing the slide. Pictures were taken and refreshments were sold. There was a raffle for valentine candy.

The third place winner was Mr. Street. The second was Antonio Hill, and the first was Maurice Evans.

Many thanks to Mrs. Wolf for her planning a special dance. Ms. Wilson-Greene, Mrs. Carr, Mr. Cook, Mr. Jackson, Ms. Tucker, myself along with other students helped with decorations and refreshment.

Patrice Sanders, Troy Ware, and Dumaya Hicks

Black History Celebration

by Shantina Spencer

Black History month was celebrated here at KMU on February 18, 1994, at 10:00 a.m. The Master of Ceremonies was David Holmes. The theme of the assembly was "Empowering Afro-American Organizations: Present and Future." It was also the theme for Black History Month for the D.C. Public Schools. Musical selections were given by the Kelly Miller Choir and the Kelly Miller String Ensemble.

Some of the Civil Rights Organizations honored were the Congress of Racial Equality (CORE), Student Non-Violent Coordinating Committee (SNCC), National Association for the Advancement of Colored People (NAACP), and the South-

Tyrone Johnson, David Holmes (back); Tracie Graham, Melicca Taylor, and Shemillia Gregory (front)

ern Christian Leadership Conference (SCLC). Other participants were Shemillia Gregory, Serena Coleman, Brian Mercer, Brian Waddell, Tracie Graham, Melissa Taylor, Tyrone Johnson, and Shantina Spencer.

Social studies' teachers, Ms. Archie, Mr. Hertz, Ms. Cooley,

Ms. Miller, and Ms. Simpson provided background information and preparations for the program. Choir teacher, Mrs. Braswell and Strings instructor, Mrs. Bastion Mrs. Trivers provided the programs for the event.

As always the media department and stage crew members were great.★

Mr. Hasty, Mr. Miller, Mr. Way, & Mr. White

Melvin Deal, founder of the African Heritage Dancer

THE SCOOP ON MR. DANIELS

by Najibah Al-Mahdim

Mr. Daniels started his education at LaSelle elementary school, Backus junior high and Archbishop Carroll High school. His first goal was to become a lawyer but he changed that to teaching. He went to college at Canisius college in Buffalo, New York, for four years. He then went to New York University (N.Y.U) for two years and was a Ph.D. candidate at Columbia College (also in New York). He continued his education there for nine years. Mr. Daniels has been teaching for two years at various colleges and so far he says, "I enjoy Kelly Miller very much."

Ladies Club

Members of the Ladies Club are enjoying becoming more familiar with their mentors. They look forward to meeting with their mentor at least once a month. The one-to-one relationship with the mentor appears to be a motivating force in their daily activities. The most recent activity was a sleep-in at the Ward Memorial A.M.E. Church/ This was a group activity, however, the mentors meet individually whenever, they choose.

This program was adopted by the Ward Memorial A.M.E. Church at 241 42nd Street, N.E., the pastor is Reverend James H. Robinson. Ms. Ellis is the school coordinator for the program. Ms. Aretha Frizzel was the original coordinator for the church. Ms. Linda Robinson, President of the Women's Missionary Society is now serving as the coordinator for the church.

Ms. Ellis and the Kelly Miller Family would like to thank Reverend Robinson and members of the Women's Missionary Society for taking an interest in serving as support community workers for our youth. The students love being adopted by the organization. Members of the Ladies Club/ Female Mentoring Program are students growing positively and having fun.

Sargent Memorial-Saint Mark Partnership Formed for Student Support

The Sargent Memorial-Saint Mark Partnership (SM2) was founded in November 1991 as a joint venture of two Presbyterian Churches in the Washington Metropolitan Area with two goals; reducing racial tension in our metropolitan area and responding to existing social justice and mission concerns.

This program offers a two-hour three-day weekly program, the three days are Monday and Wednesday 4 to 6 p.m. and Saturday morning from 9 to 11 a.m. The program is developed around your components and they are health and nutrition, academic tutorial support, cultural and ethical development, counseling, and peer media-

tion. The program aims to intervene constructively in the lives of the participating, helping them to build better self-esteem and achievements. Parents are encouraged to attend a monthly program with their children which will inform and affirm them as active partners in this process.

Mr. Robert L. Tucker is the director and coordinator of the program for the church and Ms. P.L. Ellis is the school coordinator. For more information you may contact Mr. Tucker at 301-773-8477.

Teen Life Choices

Teen Life Choices is a community outreach program that assist students in making healthier discussions. The primary goal is to prevent pregnancy among teenagers. The target group is youth ages 12 to 18.

Free programs and services include peer support groups, tutoring/homework sessions, summer enrichment program, computer classes, medical assistance referrals, career education, pregnancy screening, financial aid referrals, nutrition seminars, child care aide classes, counseling, adoption information, life planning seminars, and additional unlisted services. The hours are Monday through Friday from 10 a.m. to 8 p.m. and Saturday 10 a.m. to 2 p.m. The center is located at 4919 Ayers Place, S.E., and is housed in the Saint Luke facility.

If you are interested in this program you may see Ms. Ellis for an application. However, if you prefer you can call 202-581-9040 and ask to speak with Ms. Carol Harper.

Plans Program

PLANS (Parents Learning a New Strategy) students are well on their way to developing dreams and working towards making these dreams come true. Many of these students have taken a new focus on life and are searching for new solutions for old problems.

It is a pleasure to work with these young people in resolving their problems. A few of these topics for discussion have been making healthy decisions,

conflict resolutions, preventing the spread of AIDS, and planning for the future. The main focus between now and June will be understanding the process of career planning. Students are looking forward to a brighter future.

P.L. Ellis, Director
-W.L. Miller, Support Personnel

Bravos to—

College of Knowledge College Tour
All Our Miller Athletes and Coaches
Culture Club's Phantom of the Opera trip to the Kennedy Ctr
KMU's Champion Skiers
Miller's Choir Performance at the Pentagon
Each of Our Hardworking Educational Aides & Security
The Science Fair Project Winners

**Southeastern Consortium for
Minorities in Engineering
Students at Kelly Miller
(above) and on a visit to
Maryland University (below).**

From: Dorothy Barton, SECME Program Director, DCPS

SECME FINAL REPORT - 1993/94

.SECME FINAL REPORT - 1993/94

The Southeastern Consortium for Minorities in Engineering (SECME) Program was implemented in ten (10) District of Columbia Public Schools during the 1993-94 school year. All are middle/jr. high schools. Teachers in the program found the SECME model to be very user friendly, mainly because of the built in flexibility to integrate the model with already existing programs in the school. The program was viewed by teachers and administrators as one that gives students "realistic hope" for success in mathematics, science and engineering.

The professional development component of the model focused on improving teaching skills and instructional strategies by updating pedagogy and providing contemporary content knowledge about engineering, science and technology. This component was addressed by engaging teachers in workshop activities that integrate content and utilize technology to teach mathematics and science concepts. Workshops were facilitated by SECME master teachers.

The teams of teachers that participated in the first year of SECME have demonstrated a high level of enthusiasm and excitement about the program. They are highly motivated and committed to the vision and the mission of SECME.

The District of Columbia SECME program was funded by the U.S. Department of Energy. Approximately 365 students and fifty teachers and administrators participated in the program. All activities were supported by the University of the District of Columbia. Attached is a calendar of program activities for the 1993-94 school year.

1994-95 SECME REPORT

ACTIVITIES AND ACHIEVEMENTS

NOVEMBER 1993

Staff development for teams from 10 new SECME middle/jr. high schools was held at DCPS Mathematics/Science/Technology Center. Fifty teachers and administrators participated.

SECME teams developed mini proposals for grants to implement the local school program.

DECEMBER 1993

All SECME schools received \$2000.00 mini grants.

The SECME regional coordinator and the local SECME Director visited all SECME schools.

JANUARY 1994

The University of the District of Columbia assigned NSBE students to each SECME school to provide support for students and teachers.

The first edition of the "SECME UPDATE" was sent out to all SECME teachers and administrators. The newsnotes keep schools informed about what's going on, student opportunities, upcoming events etc.

FEBRUARY 1994

Staff development for SECME teachers and administrators was held at the University of the District of Columbia (UDC).

SECME students participated in National Engineers Week at UDC.

MARCH 1994

Nomination forms for the 1994 SECME Summer Institute were sent to all SECME school principals.

Essays and posters were sent to UDC for judging.

Mousetrap car competitions were held in local schools.

The second edition of "SECME UPDATE" was sent out to all teachers and administrators.

APRIL 1994

The citywide mousetrap car competition was held at UDC. Poster and essay winners were announced. All poster entries were displayed. Parents and administrators attended.

SECME Mini Career Conference was held at UDC. The theme was "Designing A Career Path: Helping Students Transition From School To Work". Guest speakers included Dr. Robert Norwood, Office of Advance Concepts and Technology, NASA and Ms. Judith Richardson, Dunbar high school Pre Engineering Program Coordinator. The conference was planned and developed by SECME counselors. Sessions were attended by students, teachers and administrators.

MAY 1994

Longitudinal data forms were forwarded to the regional office in Atlanta.

The SECME Awards Luncheon was held at the Carnegie Library. The Honorable Corlis S. Moody, Director of The Office of Economic Impact and Diversity, U.S. Department of Energy, was the guest speaker. UDC awarded trophies, certificates and cash awards to SECME students.

JUNE 1994

The end of the year planning and debriefing session was conducted at UDC.

Twenty teachers and one principal attended the twelve (12) day SECME Summer Institute at the University of South Alabama in Mobile.

*Budget removed.
JR*

FINAL REPORT
NOVEMBER, 1993 - JUNE, 1994

Submitted to:
SECME - ATLANTA

By:
UDC - SECME
Calvin Brooks
Department of Engineering and Technology
College of Professional Studies
University of the District of Columbia

(202) 274-5045

INTRODUCTION

This report is an attempt to describe and summarize the progress and activities of the University of the District, College of Professional Studies participation as a part of the District of Columbia Public School - SECME program.

UDC's official active participation with the SECME program began with a September 29, 1993 meeting of the SECME national officials and the Dean and several faculty members of the UDC College of Physical Science, Engineering and Technology. This meeting was followed by the November 10, 1993 in-service workshop held at the Backus Middle School, and a December planning session with the District School SECME Program Director. At that planning session a plan for DCPS/UDC participation was agreed to.

The following is a report of activities accomplished by the UDC/SECME component and the circumstances which made these achievements possible.

UNIVERSITY ENGINEERING STUDENTS

The student Chair of the National Society of Black Engineers (NSBE) agreed to spearhead the majority of the SECME school visitations, and as a result recruited several student members as assistants. Due to the work and academic schedules of the various University students, and the academic workload of the faculty consultant, individual school visitations proved to be one of the major weaknesses of the University's first year participation.

The University of the District of Columbia is a unique university in that it is made up of a totally commuter student population. There are no dormitories, and the majority of the student population work 20 to 40 hours per week and have families to support. Because of these constraints, the UDC engineering students usually must leave campus after classes and are not available for extracurricular activities. However, the engineering students were able to organize and participate in the following activities:

- o Through the coordinated efforts of the UDC NSBE and ASME students chapters, visits were made to half of the SECME participating schools by UDC engineering students.
- o Engineering students assisted in the coordination and judging of the April 9, 1994 Mousetrap car competition.
- o Engineering students assisted in the coordination of the February, 1994 Engineer's week activities with the manning and tour offering of engineering laboratories.

- o Students offered tours and laboratory activities to five SECME student groups during the University's March, 1994 open house.
- o Students supplied support services to teachers, and counselors during the in-service workshop and mini-conference in February and April, 1994.

ENGINEERING FACULTY CONSULTANT

The 1994 UDC-SECME faculty consultant's initial year was one of over scheduled professional University responsibilities and pre-college activities. In addition to being Department head, the EFC taught two (2) undergraduate engineering courses without an education assistant, chaired two (2) University wide faculty committees, represented the University in the District of Columbia Public School's Tect-Prep efforts and assisted with the activities of the new UDC-SECME endeavor.

The following are some of the UDC-SECME activities initiated by the EFC during the 1993/94 academic year:

- o Established, monitored and reprogrammed when necessary a UDC-SECME account and budget.
- o Arranged and organized University engineering student participation in SECME activities.
- o Arranged, with the assistance of the District of Columbia's SECME Director, space, luncheon and other requirements for one in-service SECME teachers and counselors workshop; one mini-conference for SECME students, teachers and counselors, and two planning meeting with UDC and DCPS SECME participants.
- o Sponsored the 1994 SECME Mousetrap car, poster and essay competition. Arranged space, volunteer judges from the University faculty for the essay and poster constants, and secured award ribbons for first, second, third, and fourth place winners of each competition, and for all other participating SECME students.
- o Took the responsibility for the travel arrangements to the national Mousetrap car competition in Mobile, Alabama. These efforts included air travel reservation and ticketing, D.C. ground transportation, and hotel space and air travel for the Dean, Assistant Dean and the EFC. The D.C. SECME competition group included seven (7) SECME students and two adult SECME chaperons.
- o Assisted in the arrangements for the final UDC-SECME awards program. These efforts included securing space, providing luncheon, and arranging trophies for each of

the three top place winners in the Mousetrap car, essay and poster competitions.

- o Arranged for mousetrap car construction assistance for SECME teachers.

UDC - SECME ANNUAL COMPETITION WINNERS

The following are the SECME winners of the 1994 Mousetrap car, essay and poster competitions:

MOUSETRAP CAR COMPETITION

Construction and Operation
Car Drawing
Technical Report

- 1st. HART J.H.S.
 Curtis Banks
 Gregory Kinard
 Mubarak Abdul-Lateef
- 2nd. FRANCIS J.H.S.
 Samar Sarwar
 Imran Khokha
 Koong Baek
- 3rd. ROPER MIDDLE SCHOOL
 Justin Hall
 Diota Borg
 Daryl A. Glenn

ESSAY COMPETITION

- 1st. STUART-HOBSON MIDDLE SCHOOL
 Nicole Ginyard
- 2nd. STUART-HOBSON MIDDLE SCHOOL
 Ryan Singletary
- 3rd. PAUL J.H.S.
 Faniry S. Rakotoarisoa

POSTER COMPETITION

- 1st. JEFFERSON J.H.S.
 William Tyler
- 2nd. PAUL J.H.S.
 Faniry S. Rakotoarisoa
- 3rd. STUART-HOBSON MIDDLE SCHOOL
 Taujhis Tolliver

Distribution of UDC-SECME Backpacks and Ruler/sharpners

Each SECME school (18) will receive five (5) UDC-SECME backpacks to be given to the students leaders (officers), and fifteen (15) UDC-SECME ruler/sharpners to be distributed or awarded to SECME students as they choose. This distribution will take place after October 1, 1994.

Goals to strengthen the program for 1994/95 include:

(a) increase the number of contacts with all SECME schools, teachers, and students by both the NSBE students and faculty consultant and

(b) include more hands-on activites for SECME participating students for the 1994/95 school year on the University campus.

SPENDING BUDGET - 1993/94

<u>Faculty Release Time</u>	<u>8,080.00</u>	
<u>Faculty Consultant and Dean</u>		
<u>Travel (Summer Institute, 1994)</u>		
Brooks		
(Transportation, hotel, registration)	960.00	
Taylor		
(Transportation, hotel, registration)	960.00	
Total	(travel)	<u>1,920.00</u>
Total	(EFC)	<u>\$10,000.00</u>
 <u>Contractual Services</u>		
Conferences and meeting	4,825.00	
catered luncheons		
Supplies for Students		
Ruler/sharpners	300.00	
Backpacks	983.00	
Office Supplies	272.00	
Tropies	367.00	
Ribbons	91.00	
Stipends (University Students and	1,800.00	
Office assistant)		
Total		<u>\$8,638.00</u>
 <u>Travel (Summer Institute)</u>		
Students and chaperons (allocated)		
Air 9 @ \$305.00	2,745.00	
Ground Transportation	<u>810.00</u>	
and Miscellaneous expenses		
Total	(Travel - SECME Students)	<u>\$3,555.00</u>
Total Expenditures (1993/94)		<u><u>\$22,193.00</u></u>
UDC in-kind Contribution	<u>\$2,193.00</u>	

EXHIBIT II

SECME WORKSHOP EVALUATION

School System: District of Columbia Public Schools

Date: November 10, 1993

	<u>HIGH</u>			<u>LOW</u>	
	(5)	(4)	(3)	(2)	(1)
The workshop presented me with new information and ideas.	24	5	1	0	0
The pace or timing of the workshop was satisfactory.	19	10	1	0	0
The presentation methods used by the presenter were suitable.	22	8	0	0	0
There was ample opportunity for discussion and to ask questions.	26	3	1	0	0
The workshop materials/handouts were helpful.	25	5	0	0	0
My overall evaluation of the workshop.	25	5	0	0	0

Strengths of the workshop

- Very interesting, informative and stimulating.
- Enthusiasm of the presenters!! Video presentation.
- Master Teachers and Video
- Fast-paced
- All were well prepared presenters. Ed Tymes was very interesting. Brenda's excitement interested me!!
- Good variety of activities and presenters/presentations.
- Information given; assistance offered and long range plans.
- Useful information, unique learning ideas.
- Handouts were informative; presenters were friendly and very courteous. Brenda is so excited about SECME!
- Excellent presentation.
- The workshop was prepared with teachers in mind. It let me know that there are resources available to assist all students.

Strengths of the workshop - con't

- Everything!
- Excellent presenters, very well organized workshop, good food, positive atmosphere.
- Information - visual and auditory presentation - excellent source of information and hands-on information.
- Motivational.
- Presentations, handouts, ideas.
- Various presenters; team building.
- Open new windows of work to involve students in scientific competitions and exposures.
- New information/program.
- I was impressed with the enthusiasm that the presenters exhibited; there were visual aids as well as handouts; the sharing of action plans at the end was very enlightening.
- Materials/handouts; incentives; Master Teachers.
- Your enthusiasm is contagious! All of the information was useful. The shared ideas were useful.
- New information.
- Video. Presentation of Master Teachers and students.
- Overall presentation.

Suggestions for improving the workshop

- Each participant receives a tee shirt ☺
- Have more specific activities and times for science activities and time for science activities.
- I cannot think of anyway to improve the workshop.
- I cannot think of anyway to improve upon this workshop. For lunch, next time, we can have boxed chicken from Popeye's with rice and biscuits.
- What next? Program successes.
- Some more workshops to come with more implementations.

Suggestions for improving the workshop - con't

- Show more hands-on activities and provide sources for hands-on activities.
- More question and answer time.

General Comments

- This is my third workshop and I have benefitted much from each! You really are a team who knows how to plan, deliver and encourage, through an excitement which is highly contagious!

Evaluation: What I would like to see is a demonstration of hands-on activities which students could engage in classes (language, math, science technology) which are interdisciplinary.

- Excellent presentation of material; good time allotment for each event.
- Next time I would like to see a follow up with Ed Tymes.
- Good lunch. Uncomfortable chairs. Tasty continental breakfast.
- Workshop was very informative; goals were reached. Refreshments were great! Location great! Speakers great! Ideas great! Looking forward to next workshop/meeting!
- More time for groups to meet.
- Very good effort to start with - thanks to everybody who contributed.
- Overall, it was an excellent workshop.
- Very informative workshop.
- Thanks for the great workshop.
Additional Comments - I would like some more help with technical writing.
- I have enjoyed the class and hope to see more of this type of programmatic work shops.
- All aspects were beneficial and stimulating. I look forward to working with the project.
- Excellent workshop.

SECME WORKSHOP EVALUATION

School System: District of Columbia Public Schools

Date: February 3, 1994

	<u>HIGH</u>			<u>LOW</u>	
	(5)	(4)	(3)	(2)	(1)
The workshop presented me with new information and ideas.	21	1	0	0	0
The pace or timing of the workshop was satisfactory.	17	2	1	1	0
The presentation methods used by the presenter were suitable.	22	0	0	0	0
There was ample opportunity for discussion and to ask questions.	18	2	2	0	0
The workshop materials/handouts were helpful.	22	0	0	0	0
My overall evaluation of the workshop.	22	0	0	0	0

Strengths of the workshop _____

Suggestions for improving the workshop _____

What Do You Want For Your SECME Program? _____

Please check all that apply:

_____ Mathematics Teacher

_____ Science Teacher

_____ Language Arts Teacher

_____ Counselor

_____ Administrator

_____ Librarian/Media Specialist

_____ High School

_____ Middle School

Strengths of the workshop

- The whole program is a strong point.
- Sharing of ideas; fellowshipping, workshops, teams, resources and handouts.
- Timely, informative - great ideas were conceived from the sharing session.
- The demo plus hands on experiments.
- Enthusiasm and information and demonstrations.
- Presentations from the SECME schools.
- The sharing of information from the various schools. The support of the sponsors to work with the schools to enhance the learning of the students.
- Timely, informative, sharing of school, activities orally.
- Sharing of information, video presentation, hands on lab.
- My workshop provided me with great classroom ideas and ways of using everyday life experiences within the classroom.
- I sat in on the Language Arts workshop. It was highly informative and I will be taking these activities back to school with me.
- The enthusiasm of the coordinators is contagious. Sharing of ideas by SECME teams is most helpful. The Language Arts workshop was outstanding.
- Excellent hands-on science demonstration.
- I loved everything, especially the teaching sessions.
- Sharing time, as well as individual workshops.
- Good mix of techniques, video, sharing, demonstrations.
- Excellent creative ideas - hands-on with everyday materials relating to life.
- Everything!
- New insight and techniques.

Suggestions for improving the workshop

- Allow for longer meeting groups time with the master teachers.
- Location where there is better parking.
- A central location. It was hectic traveling to and fro.

Suggestions for improving the workshop con't

- None
- None
- Provisions for parking, demonstration by schools of some of the activities e.g. paper airplanes and other how to hands-on so that other students may share similar experiences. (Not including competitive activities - mousetrap design and race).
- Length of time (all day workshop rather than 1/2 day).
- Provide more workshop time.
- A little more time.
- Having the workshop at site that has adequate and convenient parking (or arrangements made for parking at building site.).
- Show more demonstrations.
- Could we have a day of application lessons? It would be nice to take these interesting lessons back to the classroom. I am not a science teacher but, I would love to work with the science teacher. I love the lessons!
- More time.
- Make it all day.
- Make the workshops longer and offer more ideas.

What Do You Want For Your SECME Program

- Copy of the videos -
- More funding for equipment, supplies (soft/hardware).
- VCR -
- Francis Jr. H.S. - A high-tech computer and color printer.
- Taft Jr. High - Supplies - laminating film, software...in other words, more funding.
- I would like to get computer tables. The students in the SECME program are also involved with the Mitre Outreach program. They have donated computers but we do not have the tables - 20 are needed.
- Computer tables, computers, VCR, camcorder.
- Stuart-Hobson Middle School - Continued support, more contact with participants (other than written) and one-on-one with teams members. Personal phone call and mail contact.

What Do You Want For Your SECME Program - con't

- More funding so that some of the great experiences shared can be implemented.
- More language arts and science combination types of lesson plans.
- The coordinators will give you this information.
- A multimedia station - 486 computer - with windows. We have dos software in math and science but nothing in CAD.
- More networking, more materials and equipment.
- Backus - 1) A large grant allocation/transportation/technology; (2) integration of SECME into the classroom; (3) a well developed information network for more access to specialists.
- Kelly Miller SECME - A computer