

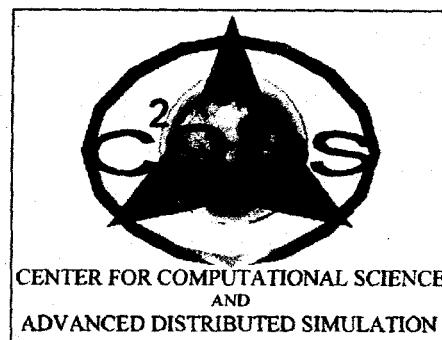
HOUSTON PREFRESHMAN ENRICHMENT PROGRAM (Houston PREP)

FINAL REPORT

DOE/TE/00017-T2

JUNE 9, 1997 - JULY 25, 1997

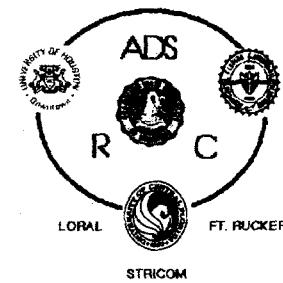
Conducted by:



A unit of the

Advanced Distributed Simulation Research Consortium
of U.S. Army Research Office
with additional funding from the

National Science Foundation, Computer and Information Science and Engineering Directorate



Submitted by:

RICHARD A. ALO - PROGRAM OFFICER

October 1, 1997

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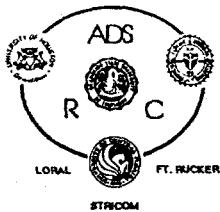
MASTER

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CENTER FOR COMPUTATIONAL SCIENCE AND ADVANCED DISTRIBUTED SIMULATION

A unit of the

Advanced Distributed Simulation Research Consortium
of the U.S. Army Research Office
Additional Funding: National Science Foundation,
Computer and Information Science and Engineering Directorate

Acknowledgments

It is a pleasure to take this opportunity to thank the many individuals and organizations who generously supported various aspects of the development, promotion, and implementation of Houston PREP 1997. Their encouragement and interest are significant forces behind our efforts.

Through the Houston PREP program, the Center for Computational Science and Advanced Distributed Simulation (C²SDS) is doing its part to respond to the dwindling number of students entering careers in Engineering, Mathematics, and Science, which is occurring on a national scale. Notably, the expanding economically and socially disadvantaged population groups also are not choosing these career options. Houston PREP is designed to encourage students from these groups into these careers. Moving forward into the next century without such efforts, our nation is risking its leadership role in the high technology society that we have developed.

Such programs as Houston PREP are making a difference. The people and organizations that support it are the backbone of this development. We extend our sincerest thanks to all of you.

Richard A. Aló,
Program Officer, Houston PREP
Executive Director, C²SDS

1997 Houston PREP Sponsors and Benefactors:

Advanced Distributed Simulation Research Consortium

U.S. Army Research Office, Department of Defense

Aldine Independent School District

Bread Ministry - Houston

Center for Computational Science and Advanced Distributed Simulation

Galena Park Independent School District

Houston Independent School District

National Science Foundation, Computer and Information Science and Engineering Directorate

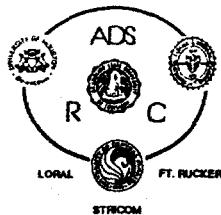
NASA Headquarters - Washington, D.C.

State of Texas Legislature

State of Texas Coordinating Board of Higher Education

Texas Department of Human Services Summer Food Service Program

University of Houston-Downtown



CENTER FOR COMPUTATIONAL SCIENCE AND ADVANCED DISTRIBUTED SIMULATION

A unit of the

Advanced Distributed Simulation Research Consortium
of the U.S. Army Research Office

Additional Funding: National Science Foundation,
Computer and Information Science and Engineering Directorate

Abstract

The 1997 Houston Pre-Freshman Enrichment Program (PREP) was conducted at the campus of the University of Houston-Downtown from June 9 to July 25, 1997. Program participants were recruited from the Greater Houston Area. All participants were identified as high-achieving students with an interest in learning about the engineering and science professions. The goal of the program was to better prepare our pre-college youth prior to entering college as mathematics, science and engineering majors.

The program participants were middle school and high school students from the Aldine, Alief, Channel View, Clear Creek, Cypress-Fairbanks, Fort Bend, Galena Park, Houston, Humble, Katy, Klein, North Forest, Pasadena, Private, and Spring Branch Independent School Districts.

Of the 194 students starting the program, 165 students were from economically and socially disadvantage groups under-represented in the engineering and science professions, and 118 of the 194 were women.

Our First Year group for 1997 composed of 96% minority and women students. Second and Third Year students combined were 96% minority or women.

With financial support from the Center for Computational Sciences and Advanced Distributed Simulation, the Fourth Year Program was added to PREP this year. Twelve students completed the program (83% minority or women). The students worked with Silicon Graphic computers in the Advanced Distributed Simulation Research Computer Lab for their Computer Science course. Additional course work was in Biology, Calculus, and Physics.

Investigative and discovery learning were key elements of PREP. The academic components of the program included Algebraic Structures, Engineering, Introduction to Computer Science, Introduction to Physics, Logic, and Its Application to Mathematics, Probability and Statistics, Problem Solving Seminar using computers and PLATO software, SAT Preparatory Seminars, and Technical Writing.

After a two-week training on how to integrate the use of the Internet in classroom curriculum, seven teachers from George I. Sanchez High School interned with PREP participants for four weeks. This internship was made possible by a State of Texas Telecommunication Infrastructure Grant awarded to Sanchez High School. PREP students were exposed to the Internet in most subjects, and some classes developed their own web pages.

The Texas Space Grant Consortium and NASA, through the Urban Education Department at UHD, provided seventeen high school teachers to intern for a week in Houston PREP. The necessary materials were also provided allowing all First and Second Year PREP students to build model rockets and other space science activities.

Engineers, scientists, mathematicians, and other professionals from private industry and various universities discussed career opportunities and social problems with the program participants.

The program staff composed of college faculty members and High School teachers (Seven of the ten teachers were minority or women). This year, Houston, Aldine, and Galena Park Independent School Districts provided teachers to teach in PREP. Nine UHD students, who were from minority groups or women, served as Program Assistants.

For the second year, we are happy to accept the support of the Advanced Distributed Simulation Research Consortium (ADSRC) through the efforts of the Center for Computational Science and Advanced Distributed Simulation at the University of Houston-Downtown (UHD). The consortium, a unit of the U.S. Army Research Office consists of UHD, Grambling State University, Florida A&M University, and the University of Central Florida.

Substantial in-kind manpower and financial operational support for this year's summer program came from: Advanced Distributed Simulation Research Consortium, a unit of the U.S. Army Research Office, Department of Defense; Aldine Independent School District; Bread Ministry - Houston; Center for Computational Science and Advanced Distributed Simulation; Galena Park Independent School District; Houston Independent School District; National Science Foundation, Computer and Information Science and Engineering Directorate; NASA Headquarters - Washington, D.C.; State of Texas Legislature; State of Texas Coordinating Board of Higher Education; Texas Department of Human Services Summer Food Service Program; and University of Houston-Downtown.

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1997 Houston PREP Sponsors

Advanced Distributed Simulation Research Consortium
U.S. Army Research Office, Department of Defense

Aldine Independent School District

Bread Ministry - Houston

Center for Computational Science and Advanced Distributed Simulation

Galena Park Independent School District

Houston Independent School District

National Science Foundation, Computer and Information Science
and Engineering Directorate

NASA Headquarters - Washington, D.C.

State of Texas Legislature

State of Texas Coordinating Board of Higher Education

Texas Department of Human Services Summer Food Service Program

University of Houston-Downtown

Description of 1997 Houston PREP Program

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- B. Program Schedules**
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DESCRIPTION OF 1997 HOUSTON PREP PROGRAM

A. Academic Components (June 9 - July 25, 1997)

Houston PREP offered the following subjects and activities:

1. **Algebraic Structures** - a four hour per week lecture class required of Second Year.
2. **Engineering** - a four hour per week lecture/laboratory class on topics in engineering with engineering design projects required of First and Second Year.
3. **Introduction to Calculus** - a two hour/week lecture class required of Fourth Year.
4. **Introduction to Biology** - a two hour per week lecture class required of Fourth Year.
5. **Introduction to Computer Science** - a four hour per week lecture/laboratory class (equipped with Pentium computers) in the basics of computers and various software required of First Year. **Advanced Computer Science** - a eight hour per week lecture/laboratory class (equipped with Silicon Graphics computers) in various operating systems and programming languages required of Fourth Year.
6. **Introduction to Physics** - a four hour per week lecture class in elementary topics in physics required of Second Year. **Advanced Physics** - an eight hour/week lecture class with hands-on-experience in a UHD Physic Labs; required of the Fourth Year.
7. **Logic and its Applications to Mathematics** - a four hour per week lecture class required of First Year. PLATO software use was also used intensively.
8. **Probability and Statistics** - a four hour/week lecture class required of Third Year.
9. **Problem Solving Seminar** - a four hour per week seminar class required of First and Third Year. Second Year participants were exposed to computer programming in a Computer Laboratory (equipped with new Gateway2000 Pentium computers) where they obtain intensive hands-on experience.
10. **SAT Preparatory Seminar** - a two hour per week English and Vocabulary lecture and a two hour per week Mathematics seminar required of Third Year participants.
11. **Technical Writing** - a four hour per week lecture/seminar/computer lab class required of Third Year participants.
12. **Student Activities** - a four hour per week period of time spent with the mentor during which students worked on class assignments, library research, engineering design projects, team sports, preparation for presentations, etc.

13. Educational Field Trips - various number of hours were spent on Fridays of specific weeks involving the following:

Students visited the Baylor College of Medicine. A very informative, guided tour was provided. The students were most impressed by demonstrations in their Anatomy Laboratory.

The Center for Computational Science and Advanced Distributed Simulation (C²SDS) performed demonstrations and presentations of the uses and purposes of work with advanced simulation on advanced computers (by Dr. Richard Aló and Mr. René Garcia). The students were given brief hands-on experiences with latest technology on Silicon Graphic computers acquired through grants funded by the National Science Foundation and U.S. Army Research Office. C²SDS videos on virtual reality were also viewed by the students.

Students visited the Houston Natural Science Museum of Science. They attended the IMAX presentation of "Alaska: Spirit of the Wild" and the Planetarium show entitled "Destination Mars!" Students also visited the Museum of Fine Arts.

A field trip to Galveston's Moody Gardens was taken. The students were given a guided tour of the Rainforests and garden exhibits. The IMAX Theatre presentation, geared towards virtual reality, was also viewed.

The students spent a day at the NASA Space Center where they attended the TRAM tour and viewed NASA's IMAX Theatre.

Academic Components Summary

1st Year

Engineering
Introduction to Computer Science
Logic and its Applications to Mathematics

3rd Year

Probability and Statistics
SAT Preparatory Seminar
Technical Writing

2nd Year

Algebraic Structures
Engineering
Introduction to Physics

4th Year

Biology
Calculus
Computer Science
Physics

All Years:

Field Trips

Guest speakers and special presentations
Problem Solving Seminars (except Fourth Year)
Research and Study

B. Program Schedules

The Program Assistants, faculty, and staff conducted meetings in May and June to finalize preparations for Houston PREP 1997. The Parents' Orientation for the program was held on June 6, 1997 in the Student Lounge of UHD. Approximately 280 parents and students attended.

The opening day of the PREP was Monday, June 9. This was primarily an orientation day for the students. The Program Assistants conducted ice-breaker types of activities involving all the PREP participants in small groups. The goals and expectations of the program and rules regarding acceptable behavior were presented. The students were also given tours of the library, campus, and of the computing facilities. The faculty met with the students; Pre-Tests were also given.

The schedule of the typical week (Monday through Thursday) for First, Second, Third, and Fourth Year students is detailed below:

FIRST YEAR'S SCHEDULE

9:00 - 10:00	COMPUTER SCIENCE
10:00 - 11:00	ENGINEERING
11:00 - 12:00	LOGIC
12:00 - 12:30	LUNCH
12:30 - 1:30	PROBLEM SOLVING
1:30 - 2:30	STUDENT ACTIVITIES

SECOND YEAR'S SCHEDULE

9:00 - 10:00	PHYSICS
10:00 - 11:00	COMPUTER SCIENCE
11:00 - 12:00	ALGEBRAIC STRUCTURE
12:00 - 12:30	STUDENT ACTIVITIES
12:30 - 1:00	LUNCH
1:00 - 1:30	STUDENT ACTIVITIES
1:30 - 2:30	ENGINEERING/PLATO

THIRD YEAR'S SCHEDULE

9:00 - 10:00	SAT SEMINAR
10:00 - 11:00	PROBLEM SOLVING
11:00 - 12:00	PROBABILITY & STATISTICS
12:00 - 12:30	LUNCH
12:30 - 1:30	TECHNICAL WRITING
1:30 - 2:30	STUDENT ACTIVITIES

FOURTH YEAR'S SCHEDULE

9:00 - 11:00	COMPUTER SCIENCE
11:00 - 12:00	BIOLOGY/CALCULUS
12:00 - 12:30	LUNCH
12:30 - 2:30	PHYSICS

C. Program Summary

All First Year students took the Logic Pre-Test on their first day in the program and had a mean score of 25.5%. First Year students took the Logic Post-Test during the eighth, and last week of the program and received a mean score of 77.5%. The average improvement of 52% points on the Logic Tests indicate that the students analytical skills and knowledge had improved during the program.

Second Year students took the Physics Pre-Test on their first day in the program with a mean score of 43.7%. The Post-Test had a mean score of 64.3%, which showed a 20.6% increase in aptitude.

The Third Year students took the Pre-Test in Probability and Statistics on their first day in the program. They took the Post-Test during the eighth, and last, week of the program and had a 15% improvement.

SAT (Scholastic Aptitude Test) preparatory seminars were an essential aspect of the Third year program. Students took daily quizzes, worked on vocabulary words and practiced reading comprehension. Several timed SAT practice exams were administered. All students felt this was very useful. They also felt more confident about taking the SAT in the near future.

During the last week of the program, all students tested their engineering projects. In each engineering class, students worked in groups of 3-5 students. For all engineering projects, every group/team was required to submit a detailed report on their projects and present them orally to the class.

First Year students designed containers capable of protecting an egg from a ten-story drop for an egg-drop contest. First Year engineering students designed precise floor plans to build houses with popsicle sticks and balsa wood in an engineering room equipped with drafting tables. Second Year students took the assignment of constructing high-rise complexes within a giant metropolitan city like Houston and the entire grounds of a carnival using Styrofoam cardboard. The projects were judged by faculty members.

Both First and Second Year engineering students also built model rockets and other space science activities; the rocket blasting tests took place in the UHD campus's Student Parking Lot. The building materials and teacher interns for these engineering projects were made possible by the Texas Space Grant Consortium and NASA, through the Urban Education Department at UHD.

The last week was also filled with fun activities to relax the hard working participants. For example, there was a pizza party and free games in the UHD Game Room. The artwork of a First Year student was showcased in the O'Kane Gallery at UHD. Dr. Erin Hodges, a guest speaker, encouraged participation with candy and awarded two \$15 AMC Movie Certificates as door prizes; Dr. Ronald Barnes, a guest speaker, awarded 25 Esher T-Shirts to students who completed challenging puzzles that he presented.

At 9:30 a.m. on Friday, July 25, the closing ceremonies began in the Furr High School Auditorium. Approximately 300 parents and faculty members attended in addition to the graduating participants. Television stations ABC 13, Fox 26 and UniVision 48 provided media coverage.

Dr. Richard A. Aló, Director of Houston PREP, served as the keynote speaker at the Award Ceremonies. Two First Year graduates delighted the audience with songs played on a piano, and a group of Second Year graduates sang a song.

Each faculty member awarded the best overall and most improved student from each of his/her class. Each Program Assistant then rewarded their best overall students with citizenship awards. Each successful participant was awarded a certificate of completion and an ADSRC handbag stuffed with UHD folders. The Third and Fourth Year students also received special pens. Electronic organizers, pens, UHD caps and mugs were awarded to students whose performance excelled highest among his/her group.

This ceremony was then followed by a brief reception with refreshments sponsored by the Bread Ministry.

OVERALL OUTSTANDING AWARDS

<u>Group</u>	<u>Name</u>
IA	Christopher Cumby
IB	Arjun Karkhanis
IC	Lauren Higgins and Vikram Kavthekar
ID	William Cunningham
IIA	Amol Hardikar
IIB	Brandi Walton
IIIA	Natasha Young
IIIB	Christopher Chang and Sharifa Glass
IV	JoAnn Ong

OUTSTANDING SUBJECT WISE AWARDS

<u>Class</u>	<u>Name</u>
Engineering (IA)	Elizabeth Garcia
Engineering (IB)	Elizabeth McNatty
Engineering (IC)	Brian Hill
Engineering (ID)	Juan Miranda
Logic (IA)	Octavian Boone
Logic (IB)	Jerry Abraham
Logic (IC)	Vikram Kavthekar
Logic (ID)	William Cunningham
Problem Solving (IA)	Christopher Cumby
Problem Solving (IB)	Elizabeth McNatty
Problem Solving (IC)	Walter Hernandez
Problem Solving (ID)	Anjoli Avionn
Physics (IIA)	Amol Hardikar
Physics (IIB)	Brandi Walton
Physics (IIA)	Amol Hardikar
Physics (IIB)	Brandi Walton
Problem Solving (IIIA)	Gloria Dixon
Problem Solving (IIIB)	Jenna Peter
Computer Science (IV)	JoAnn Ong
Physics (IV)	JoAnn Ong

CITIZENSHIP AWARDS

<u>Group</u>	<u>Name</u>
IA	Christopher Cumby
IB	Manuel Cantu and Jennifer Needham
IC	Rebecca Mauldin
ID	Monica Mata
IIA	Amol Hardikar
IIB	Krislyn Thompson
IIIA	Natasha Young
IIIB	Kristan Lockett
IV	Mohammed Rahman

D. Program Staff

Dr. Richard A. Aló, Program Officer (Houston PREP)
Executive Dir., Center for Computational Science and Advanced Distributed Simulation
Computer and Mathematical Sciences Professor
University of Houston-Downtown

Ms. Sangeeta Gad, Program Coordinator (Houston PREP)
Computer and Mathematical Sciences Lecturer
University of Houston-Downtown

The faculty members included:

1. College Faculty Members

Ms. Sangeeta Gad (PLATO Lab II)
1997 Houston PREP Coordinator
Computer and Mathematical Sciences Lecturer
University of Houston-Downtown.

Mr. Yash Gad (Calculus/Biology)
Graduate Student
Baylor School of Medicine

Mr. Robert Shankin (Computer Science II, Probability and Statistics III)
Computer and Mathematical Sciences Instructor
University of Houston-Downtown

Ms. Mitsue Nakamura-Sundnas (Algebraic Structure II, Problem Solving III)
Computer and Mathematical Sciences Lecturer
University of Houston-Downtown

2. Middle School Faculty Members

Ms. Valencia D. Crawford (Computer Science I)
Teacher Technologist, Holland Middle School
Houston Independent School District

Ms. Jeanne M. DeVezin (Logic, Problem Solving I)
Teacher, Clear Creek High School
Galena Park Independent School District

Mr. Obinna C. Ilochonwu (Computer Science IV)
Undergraduate Student of Computer Science
University of Houston-Downtown

Mr. Ash Rehman (Physics II & IV)
Teacher, Milby High School
Houston Independent School District

Mr. Walter Stewart (Logic, Problem Solving I)
Teacher, Aldine High School
Aldine Independent School District

Ms. Debra Toliver (Engineering I & II)
Teacher, Northbrook Forest High School
North Forest Independent School District

Program Assistants

Mr. Jesus Azcárraga
Ms. Rosa del Mar Azcárraga
Ms. Olga L. Beiza
Mr. Juan J. Gonzalez
Mr. Obinna C. Ilochonwu
Ms. Veronica Patino
Mr. Randy K. Robinson
Mr. Clinton Rodgers
Ms. Olivia Sandoval

Secretary

Mr. Antonio Ruiz
Ms. Veronica Sanchez

Technical Support

Mr. René Garcia
Mr. Sean McRae
Mr. Aon Tejani

E. School Districts

Aldine	Katy
Alief	Klein
Channel View	North Forest
Clear Creek	Out of Town
Cypress-Fairbanks	Pasadena
Fort Bend	Private
Galena Park	Spring Branch
Houston	

F. List of 1997 Houston PREP Speakers

Dr. Melanie Aló
Assistant Professor of Anesthesiology
BAYLOR SCHOOL OF MEDICINE

Dr. Richard A. Aló, Program Officer (Houston PREP)
Executive Dir., Center for Computational Science and Advanced Distributed Simulation
UNIVERSITY OF HOUSTON-DOWNTOWN

Ms. Peggy Amante
Administrative Assistant
UNIVERSITY OF TEXAS - SCHOOL OF PUBLIC HEALTH

Dr. Ronald Barnes
Professor of Computer and Mathematical Sciences
UNIVERSITY OF HOUSTON-DOWNTOWN

Dr. Manuel Berriozábal
FOUNDER OF TEX-PREP

Mr. Jose Cavazos
Geophysicist
ALTURA ENERGY, HOUSTON

Mr. Pralhad Gad
Architect
GAD ARCHITECTS

Mr. Alex Garcia
Geo-physicist
SHELL PETROLEUM CORP.

Mr. Hector Hernandez
Public Accountant
MIR. FOX & RODRIGUEZ, P.C.

Ms. C. Susan Howes
Staff Engineer, Acquisitions
ANADARKO PETROLEUM CORP.

Dr. Erin Hodges
Professor of Computer and Mathematical Sciences
UNIVERSITY OF HOUSTON-DOWNTOWN

Dr. George Kerr, M.D.
Professor of Biological Science and Interactive Family Health
UNIVERSITY OF TEXAS SCHOOL OF PUBLIC HEALTH

Appendix A

**A. Houston PREP Descriptive
B. Special Information Letters**

**Fourth Year Letter Announcement
First year Application
Letter of Admission
Letter of Rejection
Rules and Regulations
Orientation Letter
Check List
Transportation Letter**

HOUSTON PREFRESHMAN ENRICHMENT PROGRAM (HOUSTON PREP)

JUNE 9 - JULY 25, 1997

WHAT? PREP is an intensive mathematics-based precollege enrichment program which provides educational enrichment opportunities for high ability middle and high school students.

WHY? Explore and prepare for careers in the fields of science, engineering, and mathematics.

WHO CAN ATTEND? Middle school and high school students from the Greater Houston Area who are high achieving and are interested in learning about the engineering and science professions. Students applying must be willing to give up an entire seven weeks of their summer vacation. Minorities and females are especially encouraged to apply. Priority is given to students who are economically and socially disadvantaged.

Eligibility criteria is the following:

- Applicants must have successfully completed the 7th, 8th, or 9th grade prior to entering the First Year of PREP.
- Applicants must have a B or better overall average (C or better if enrolled in honors, enrichment, or gifted and talented classes) in their academic courses during the 1996-1997 school year at the time of application. All seventh grade applicants must have an A average (B or better if enrolled in honors, enriched, or gifted and talented classes).
- Applicants must have satisfactory conduct grades throughout the academic year.
- Only students who have successfully completed the First Year are eligible for the Second Year, and only students who have successfully completed the Second Year are eligible for the Third Year.

WHEN?

- June 9 - July 31, 1997 (Monday-Thursday).
- Program hours are scheduled to run from 8:30 a.m. to 2:30 p.m.
- Fridays will be reserved for educational field trips and special events; July 4th will be a PREP holiday.

WHERE? The University of Houston - Downtown. All program functions, except for field trips, will be held in classrooms and laboratories at the PREP site.

COST? There are no tuition or fees to attend PREP. Upon acceptance, participants must complete an income eligibility form. If more than 50% of the PREP Participants are eligible for the Free Lunch Program, all students will receive free lunches.

WHAT DO I GET?

- Problem Solving Skills
- Career Exploration
- Academic and Career Counseling
- Better Math Preparation
- New Friends
- Educational Field Trips
- College Setting Experience
- Exposure to Advanced Technology

WHAT WILL I DO?

1 st Year	2 nd Year	3 rd Year
➤ Engineering	➤ Engineering	➤ Probability and Statistics
➤ Logic	➤ Physics	➤ Technical Writing
		➤ SAT Preparatory Course

Every Year

- Computer Science
- Research and Study Seminars
- Problem Solving
- Career Opportunity Awareness Seminars

WHO WILL TEACH?

Classes will be taught by college professors, scientists, engineers, mathematicians, and premier high school teachers. College students serve as mentors and tutors.

HOW CAN I APPLY?

- Obtain permission from your parents/guardians.
- Complete the entire application form.
- Write a 200 word essay on why you wish to attend Houston PREP. (Required of 1st year applicants only.)
- Submit a copy of your latest report card. (No transcripts are accepted.)
- Submit two recommendations: one from your math teacher and one from your science teacher, English teacher or Counselor. (Required of 1st year applicants.)
- Mail entire application form with all the other documentation required to:

Houston PREP
 Center for Computational Science and Advanced Distributed Simulation
 University of Houston-Downtown
 One Main Street
 Houston, Texas 77002.

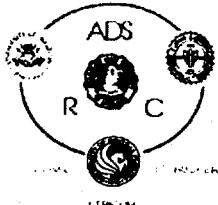
BY WHEN?

- Application must be postmarked no later than April 7, 1997.
- Notification of successful candidates will be made by May 7, 1997.
- Late applications will be accepted until April 15, 1997 and will be considered if openings are still available.

Please keep in mind the following:

- Make a copy of your completed application packet for your records.
- Incomplete and late applications will not be considered in the first round of acceptance.

For comments, questions, or more applications, please call the PREP Office at 221-8686. Further information may be obtained via Internet (<http://satyricon.dt.uh.edu/~ccsds/outreach>).



CENTER FOR COMPUTATIONAL SCIENCE AND ADVANCED DISTRIBUTED SIMULATION

A unit of the
Advanced Distributed Simulation Research Consortium
of the U.S. Army Research Office
with additional funding from the National Science Foundation,
Computer and Information Science and Engineering Directorate

April 18, 1997

Dear PREP Student,

The Center for Computational Science and Advanced Distributed Simulation is proud to announce the addition of a Fourth Year to Houston PREP. The summer program will be held at the University of Houston-Downtown and new challenging courses will be provided to students in the Fourth Year class. These courses consist of the following:

Computer Science
Biology
Problem Solving
Chemistry

The dates for PREP are Monday through Thursday June 9 - July 25, 1997. (Please note that PREP is now seven weeks.) Program hours are 9:00 a.m. to 2:30 p.m. Extra activity period, field trips, and rules will be similar to the three years that you have already completed. As a reminder, no tuition or academic fees are assessed. You must provide your own transportation, and each participant will be expected to maintain at least a C+ average in PREP.

Due to your accomplishments in three previous years of PREP, you have been recommended to apply. I hope you take advantage of this opportunity. Enclosed is the Fourth Year application. Your transcript and application must be postmarked no later than May 5, 1997. I look forward to your participation in this summer's program.

Yours truly,

Sangeeta Gad

Sangeeta Gad
Coordinator, Houston PREP,
Director of Recruitment and
Retention, CCSDS

HOUSTON PREFRESHMAN ENRICHMENT PROGRAM (PREP)
JUNE 9 - JULY 25, 1997

1ST YEAR PREP APPLICATION
DEADLINE: POSTMARKED ON OR BEFORE APRIL 7, 1997

PART 1 - TO BE COMPLETED BY APPLICANT - ALL QUESTIONS MUST BE ANSWERED. PLEASE PRINT.

NAME: _____ LAST _____ FIRST _____ M.I. _____

SOCIAL SECURITY NUMBER: _____ SEX: _____ FEMALE _____ MALE _____

ADDRESS: _____ # STREET _____ APT. # _____

CITY: _____ ZIP CODE: _____

PHONE: (_____) _____ DATE OF BIRTH: ____ / ____ / ____
MO DAY YEAR

ETHNICITY: _____ AMERICAN INDIAN _____ ANGLO _____ AFRICAN AMERICAN _____ HISPANIC _____ ASIAN/ORIENTAL

CURRENT GRADE LEVEL: _____ 7 _____ 8 _____ 9

SCHOOL YOU CURRENTLY ATTEND: _____

SCHOOL DISTRICT YOU CURRENTLY ATTEND: _____

PART 2 - TO BE COMPLETED BY PARENT OR GUARDIAN

FATHER'S NAME: _____ WORK PHONE: _____ ext. _____

HIGHEST GRADE OR DEGREE: _____

MOTHER'S NAME: _____ WORK PHONE: _____ ext. _____

HIGHEST GRADE OR DEGREE: _____

IN CASE OF EMERGENCY, CONTACT: _____ PHONE: _____

RELATIONSHIP: _____

PART 3 - PARENT/GUARDIAN'S CONSENT

AS THE PARENT/GUARDIAN OF THE ABOVE MENTIONED STUDENT, I CERTIFY THAT MY CHILD HAS MY PERMISSION TO PARTICIPATE IN THE PREP PROGRAM. HE/SHE IS COMMITTING TO ATTEND PREP MONDAY THROUGH FRIDAY FOR EIGHT WEEKS. IT IS MY UNDERSTANDING THAT HE/SHE WILL BE SUBJECT TO THE REGULATIONS OF THE PREP SITE WHICH HE/SHE WILL ATTEND. I UNDERSTAND THAT SHOULD A HEALTH EMERGENCY ARISE, I WILL BE NOTIFIED, BUT THAT IF I CANNOT BE REACHED BY TELEPHONE, SUCH MEDICAL TREATMENT AS DEEMED NECESSARY BY COMPETENT MEDICAL PERSONNEL IS AUTHORIZED.

AS THE PARENT/GUARDIAN OF THE ABOVE MENTIONED STUDENT, I CERTIFY THAT MY CHILD WILL ATTEND THE PREP PROGRAM FOR THE ENTIRE EIGHT WEEKS. SHOULD MY CHILD MISS MORE THAN TWO DAYS, I UNDERSTAND THAT MY CHILD MAY BE AUTOMATICALLY DISMISSED FROM THE PREP PROGRAM.

PARENT'S SIGNATURE: _____ DATE: _____

APPLICANT'S SIGNATURE: _____ DATE: _____

PART 3 - TO BE COMPLETED BY APPLICANT

A. WRITE A 200 WORD ESSAY BELOW ON WHY YOU WANT TO ATTEND PREP. ALSO, BRIEFLY DESCRIBE ANY AWARDS OR HONORS RECEIVED FOR PARTICIPATION IN MATH AND SCIENCE ACTIVITIES. (Attach additional sheet if necessary.)

B. PLEASE CHECK BELOW THE CONCEPTS/SUBJECTS YOU HAVE STUDIED THUS FAR (Please, ask your math teacher, if necessary):

PRE-ALGEBRA
 ALGEBRA I
 ALGEBRA II
 INFORMAL GEOMETRY
 GEOMETRY
 OTHER: _____

ANALYTIC GEOMETRY
 TRIGONOMETRY
 PRE-CALCULUS
 CALCULUS
 NUMERICAL ANALYSIS

C. ATTACH A COPY OF YOUR LATEST 1996-97 GRADE REPORT. (NO TRANSCRIPTS WILL BE ACCEPTED.)

D. HOW DID YOU FIRST HEAR ABOUT PREP? (PLEASE CHOOSE ONLY ONE RESPONSE.)

TEACHER PRINCIPAL COUNSELOR POSTER/FLYER
 FORMER PARTICIPANT SCHOOL PRESENTATION OTHER: _____

MAIL THE ENTIRE APPLICATION PACKET TO:

Houston PREP
Center for Computational Science and Advanced Distributed Simulation
University of Houston-Downtown
One Main Street
Houston, Texas 77002.

HOUSTON PREFRESHMAN ENRICHMENT PROGRAM (PREP)
JUNE 9 - JULY 25, 1997

MATHEMATICS TEACHER NOMINATION FORM

1ST YEAR PREP APPLICATION
DEADLINE: POSTMARKED ON OR BEFORE APRIL 7, 1997

DIRECTIONS: All parts of the application must be completed or the application will be considered incomplete. Incomplete and late applications will not be processed. Please type or print clearly.

PART 1 - TO BE COMPLETED BY APPLICANT

APPLICANT'S NAME: _____
LAST _____ FIRST _____ M.I. _____

SOCIAL SECURITY NUMBER: _____

SCHOOL NAME: _____ CURRENT GRADE LEVEL: _____

PART 2 TO BE COMPLETED BY MATHEMATICS TEACHER

ESPECIALLY IMPORTANT IS YOUR EVALUATION OF THE STUDENT'S DESIRE TO WORK HARD AND TO LEARN DURING THIS EIGHT-WEEK PROGRAM. WITHOUT THIS NOMINATION FORM, A STUDENT'S APPLICATION WILL BE CONSIDERED INCOMPLETE. PLEASE COMPLETE THE EVALUATION BELOW AS HONESTLY AS POSSIBLE. YOUR ASSISTANCE IS GREATLY APPRECIATED.

A. PLACE AN "X" IN THE APPROPRIATE COLUMN FOR EACH CHARACTERISTIC LISTED.

CHARACTERISTIC	EXCELLENT	GOOD	FAIR	POOR
ACADEMIC PERFORMANCE				
CONDUCT IN CLASS				
WILLINGLY PARTICIPATES IN CLASS				
RESPECTS OTHERS AND THEIR PROPERTY				
ABILITY TO FOLLOW INSTRUCTIONS				
COMPLETES ASSIGNED WORK ON TIME				
ANALYTICAL THINKING SKILLS				
MATURITY				
PUNCTUALITY				
EAGER TO LEARN NEW THINGS				
STUDENT IS SUFFICIENTLY MOTIVATED TO COMPLETE AN 8-WEEK SUMMER PROGRAM				

B. INDICATE CURRENT MATH COURSE(S) YOU ARE TEACHING THE APPLICANT: _____

C. PLEASE PROVIDE COMMENTS ON MOTIVATION, AMBITION, BEHAVIOR, PERSONALITY, ETC., THAT YOU FEEL ARE PERTINENT TO THE STUDENT'S PERFORMANCE IN PREP. IF THE STUDENT FAILS TO SATISFY SOME ACADEMIC REQUIREMENTS, PLEASE EXPLAIN IN DETAIL. COMMENTS MAY BE ATTACHED OR WRITTEN ON THE BACK OF THIS PAGE.

PRINTED NAME/TITLE _____

TELEPHONE NUMBER _____

TEACHER'S SIGNATURE _____

DATE _____

HOUSTON PREFRESHMAN ENRICHMENT PROGRAM (PREP)
JUNE 9 - JULY 25, 1997

OTHER SCHOOL OFFICIAL NOMINATION FORM

1ST YEAR PREP APPLICATION
DEADLINE: POSTMARKED ON OR BEFORE APRIL 7, 1997

DIRECTIONS: All parts of the application must be completed or the application will be considered incomplete. Incomplete and late applications will not be processed. Please type or print clearly.

PART 1 - TO BE COMPLETED BY APPLICANT

APPLICANT'S NAME: _____
LAST _____ FIRST _____ M.I. _____

SOCIAL SECURITY NUMBER: _____

SCHOOL NAME: _____ CURRENT GRADE LEVEL: _____

PART 2 - TO BE COMPLETED BY ENGLISH OR SCIENCE TEACHER OR COUNSELOR
ESPECIALLY IMPORTANT IS YOUR EVALUATION OF THE STUDENT'S DESIRE TO WORK HARD AND TO LEARN
DURING THIS EIGHT-WEEK PROGRAM. WITHOUT THIS NOMINATION FORM, A STUDENT'S APPLICATION WILL BE
CONSIDERED INCOMPLETE. PLEASE COMPLETE THE EVALUATION BELOW AS HONESTLY AS POSSIBLE. YOUR
ASSISTANCE IS GREATLY APPRECIATED.

A. PLACE AN "X" IN THE APPROPRIATE COLUMN FOR EACH CHARACTERISTIC LISTED.

CHARACTERISTIC	EXCELLENT	GOOD	FAIR	POOR
ACADEMIC PERFORMANCE				
CONDUCT IN CLASS				
WILLINGLY PARTICIPATES IN CLASS				
RESPECTS OTHERS AND THEIR PROPERTY				
ABILITY TO FOLLOW INSTRUCTIONS				
COMPLETES ASSIGNED WORK ON TIME				
ANALYTICAL THINKING SKILLS				
MATURITY				
PUNCTUALITY				
EAGER TO LEARN NEW THINGS				
STUDENT IS SUFFICIENTLY MOTIVATED TO COMPLETE AN 8-WEEK SUMMER PROGRAM				

B. INDICATE CURRENT COURSE(S) YOU ARE TEACHING THE APPLICANT: _____

C. PLEASE PROVIDE COMMENTS ON MOTIVATION, AMBITION, BEHAVIOR, PERSONALITY, ETC., THAT YOU
FEEL ARE PERTINENT TO THE STUDENT'S PERFORMANCE IN PREP. IF THE STUDENT FAILS TO SATISFY
SOME ACADEMIC REQUIREMENTS, PLEASE EXPLAIN IN DETAIL. COMMENTS MAY BE ATTACHED OR
WRITTEN ON THE BACK OF THIS PAGE.

PRINTED NAME/TITLE

TELEPHONE NUMBER

TEACHER'S SIGNATURE

DATE

ATTENTION FIRST YEAR APPLICANTS!

LISTED BELOW ARE TIPS TO HELP YOU SUBMIT A SUCCESSFUL APPLICATION PACKET.

- APPLICATION:**
 - Answer all questions on both sides of the application.
 - List the entire school and school district's name.
 - Sign the application.
 - Have your parents/guardians sign the application.

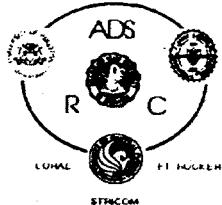
- ESSAY:**
 - Your essay will be evaluated to determine your character, willingness to learn, and motivation to attend PREP. (Required of 1st year applicants only.)
 - Print or type your 200 word essay clearly and in your own words.
 - You may use an additional page, if necessary.

- GRADE REPORT:**
 - Be sure to attach a copy of your latest 1996-97 grade report.
 - Submit the grade report with the application.
 - No transcripts will be accepted.

- NOMINATION FORMS:**
 - One nomination form must be from your mathematics teacher.
 - One nomination form must be from your science teacher, English teacher, or counselor.
 - Both nomination forms must be submitted at the same time that you submit your application.

Please submit all the items listed above as one packet. Applications must be postmarked on or before April 7, 1997. Mail the entire application packet to:

Houston PREP
Center for Computational Science and Advanced Distributed Simulation
University of Houston-Downtown
One Main Street
Houston, Texas 77002.



CENTER FOR COMPUTATIONAL SCIENCE AND ADVANCED DISTRIBUTED SIMULATION

A unit of the
Advanced Distributed Simulation Research Consortium
of the U.S. Army Research Office
with additional funding from the National Science Foundation,
Computer and Information Science and Engineering Directorate

May 9, 1997

Dear PREP Applicant,

Congratulations! You have been accepted into Houston PREP - Summer 1997 as a First Year participant at the University of Houston-Downtown.

Please, complete the enclosed form and return it to me by May 21, 1997. This is to verify that you are still committed to attend Houston PREP 1997. (If you do not plan to attend this summer's program, please return the form so that another applicant may have the opportunity to take your place.)

The dates for PREP are Monday through Thursday, June 9 - July 25, 1997. Fridays will be used for special activities, which will be announced at least a week in advance. Therefore, unless an announcement is made, participants should not report to UHD Houston PREP. (Note: As a reminder, you are not allowed to miss more than two days of the program for any reason.)

No tuition or academic fees will be assessed and no books will have to be purchased. However, you must provide your own notebooks, paper, pencil, and pens. All students must wear the provided I.D. badges everyday while on UHD campus.

Aldine, Galena Park and Houston I.S.D. will be providing bus transportation for students from their school district to and from PREP. Bus Schedules will be distributed at the Orientation meeting on June 6, 1997. Other students must provide their own transportation.

We are expecting approval as a site for the Texas Department of Human Services Summer Food Service Program (SFSP). If the University of Houston-Downtown does receive approval, we will have free breakfast and lunch available in the Sun Room of the cafeteria for every participant daily.

Each program participant will be expected to maintain at least a C+ average in PREP. All participants who work hard and take PREP seriously should be able to meet this standard. If you enjoy learning and doing mathematics and its applications, you should find this program to be intellectually stimulating and challenging.

I look forward to your participation in this summer's program.

Yours truly,

Mrs. Sangeeta Gad
Coordinator, Houston PREP

HOUSTON PREP RULES AND REGULATIONS

Below is a partial list of rules and regulations to be observed in Houston PREP by all program participants.

1. All program participants must wear their identification badges, which will be provided, all day everyday while on the University of Houston-Downtown campus.
2. All program participants are expected to be punctual for all classes and roll calls.
3. If a participant will be absent for an entire day, permission for the absence should be asked of the PREP Coordinator in advance, via letter or phone call from the parent or guardian. A maximum of two excused absences will be allowed. Un-excused absences are not tolerated.
4. If a participant will be tardy at the beginning of a day or needs to leave the program before the end of the day, then the respective Program Assistant should be notified in advanced via letter from the parent or guardian. The PREP Office may also be contacted at 221-8686.
5. Each program participant is expected to attend all classes, lectures, and laboratories with the group unless he/she is excused by the PREP Coordinator or Program Assistant.
6. Program participants may use second floor facilities (Game Room) and may use the new gyms (except the weight rooms) only when scheduled and accompanied by a Program Assistant. Students are not to venture in the new building under construction.
7. All program participants are expected to use proper manners and courtesy while on UH-D campus. No obscene language or shouting is permitted. Also, no smoking is permitted.
8. Should a program participant have a conflict with another participant, the Program Assistant, or an instructor, then (s)he must immediately discuss the situation with the Program Assistant or PREP Counselor/Coordinator.
9. The dress code prescribes normal comfortable classroom attire appropriate for summer weather; shorts and T-shirts are appropriate. Shower sandals and tank tops are not permitted.
10. Students are NOT allowed to bring radios, headphone sets, video games, or valuables to school. Also, no gum, food, drinks, etc. is to be brought into the lecture halls or classrooms, except when permission is granted by program staff. Games or toys are not to be played so as to disrupt the classroom.

VIOLATION OF ANY OF THESE RULES MAY RESULT IN DISMISSAL FROM PREP.

For verification purposes only, please check the appropriate and return by May 21, 1997:

I intend to attend Houston PREP 1997, and I agree to abide by the rules presented above.

I do not intend to attend Houston PREP 1997 because _____

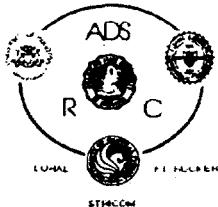
Parent's Signature

Date

Student's Signature

Date

Student's Name (Printed)



CENTER FOR COMPUTATIONAL SCIENCE AND ADVANCED DISTRIBUTED SIMULATION

A unit of the
Advanced Distributed Simulation Research Consortium
of the U.S. Army Research Office
with additional funding from the National Science Foundation,
Computer and Information Science and Engineering Directorate

TO: The Family of Houston PREP 97 Participants

FROM: Sangeeta Gad, Houston PREP Coordinator SG

SUBJECT: Orientation Meeting

DATE: May 9, 1997

You are cordially invited to attend our orientation meeting scheduled at 7:00 p.m. on Friday, June 6, 1997. The meeting will be held on the campus of the University of Houston-Downtown in the Student Lounge (3rd Floor).

We will give a short presentation on the Houston Prefreshman Enrichment Program (PREP) for the Summer of 1997. A question and answer period will follow.

Free parking will be provided in the Visitor Parking Lot located next to the UH-D building and is directly accessible from Main Street.

I look forward to meeting all the Houston PREP 97 Participants and their family.

SG/rg

1997 HOUSTON PREP CHECKLIST

DATES:	June 9 to July 25, 1997 (except July 4 th)
HOURS:	8:30 a.m. - 2:30 p.m., Monday - Thursday 8:30 a.m. - 1:00 p.m., Friday (Advance notice for Friday's events will be given.)
FIRST MEETING:	June 9, 8:30 a.m., Cafeteria (3 rd floor) June 9, 9:00 a.m., Student Lounge (3 rd floor) University of Houston-Downtown One Main Street Houston, Texas 77002
PROGRAM CONTENT:	Computer Science Engineering Problem Solving Logic Research and Study Seminars Career Opportunity Awareness Seminars

Attendance at all sessions is mandatory. Any un-excused absence will result in immediate dismissal from the program. Participants with more than two excused absences will be asked to resign from the program.

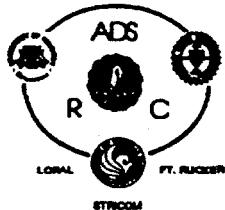
FACILITIES:

All program functions, except for field trips will be on the UH-Downtown campus. Program staff will be available for supervised research and individual consultations.

The library and cafeteria facilities of UH-Downtown will be available to program participants. Vending machines are located throughout the building.

Other campus privileges will be discussed at the June 6th Student Orientation.

All PREP participants will be expected to abide by all campus rules set by UH-Downtown and the Program Administrators.



CENTER FOR COMPUTATIONAL SCIENCE AND ADVANCED DISTRIBUTED SIMULATION

A unit of the

Advanced Distributed Simulation Research Consortium
of the U.S. Army Research Office
Additional funding: National Science Foundation,
Computer and Information Science and Engineering Directorate

MEMORANDUM

To: 1997 Houston PREP Aldine I.S.D. Participants
From: Sangeeta Gad, PREP Coordinator
Subject: Students' Transportation to University of Houston-Downtown
Date: June 6, 1997

Bus transportation from the Aldine Independent School District (AISD) will be provided daily for students from AISD accepted into 1997 Houston PREP. Questions regarding this transportation should be directed to Ms. Janice Atkins at (713)985-6692. The initial bus schedule is:

Morning Schedule	7:30 a.m.	MacArthur Senior High
	7:45 a.m.	Aldine Senior High

Afternoon Schedule	3:00 p.m.	Aldine Senior High
	3:15 p.m.	MacArthur Senior High

1997 Houston PREP dates are June 9 through July 25, 1997 (excluding July 4). The program hours are:

8:30 a.m. - 2:30 p.m.	Monday - Thursday
8:30 a.m. - 1:00 p.m.	Friday (Field trips)
(Advance notice for Friday's events will be given).	

The University of Houston - Downtown will again be a special summer site for us to offer a food program. We will offer each student in Houston PREP '97 free breakfast (upon arrival) in the cafeteria Sun Room on the third floor. We will also have free lunch provided daily. If any student does not want to accept our free breakfast or lunch on any day, he/she may bring a sack lunch.

Appendix B

1997 Houston PREP Statistics

1997 Houston PREP Demographic Distribution of Completed Participants

1997 Houston PREP Demographic Distribution of Started Participants

1997 Houston PREP Demographic Distribution of Program Staff

1997 Houston PREP Staff Ethnic and Gender Distribution

1997 HOUSTON PREP STATISTICS

ETHNICITY	Number of Students that Started Houston PREP 1997		
	Female	Male	Total
Native American	2	0	2
Anglo	6	4	10
African American	70	34	104
Hispanic	26	33	59
Other	13	6	19
TOTAL	117	77	194

ETHNICITY	Number of Students that Successfully Completed Houston PREP 1997		
	Female	Male	Total
Native American	1	0	1
Anglo	5	4	9
African American	54	27	81
Hispanic	22	26	48
Other	13	6	19
TOTAL	95	63	158

1997 TexPREP
ETHNIC, GRADE, AND GENDER DISTRIBUTION

TexPREP Site: Houston Submitted on (date): _____

Statistics for (check one):

Applied Anticipated Started Active Completed X

1ST YEAR STUDENTS

TAB44T.F

ETHNICITY	6TH*			7TH			8TH			9TH			10TH			11TH			TOTAL			
	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	
Native American	0	1		1			0			0			0			0	1	0	1	0	1	
Anglo	0	1	1	2	2		2			0			0			0	0	3	1	4		
African American	0	9	5	14	7	7	14	3	8	11			0			0	19	20	39			
Hispanic	0	3	2	5	3	5	8	8	6	14			0			0	14	13	27			
Other	0	4	1	5	4	2	6	1		1			0			0	9	3	12			
TOTAL	0	0	0	18	9	27	16	14	30	12	14	26	0	0	0	0	0	46	37	83		

2ND YEAR STUDENTS

TAB44T.F

ETHNICITY	6TH*			7TH			8TH			9TH			10TH			11TH			TOTAL		
	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T
Native American	0			0			0	0		0			0			0	0	0	0	0	0
Anglo	0			0			2	2		0			0			0	0	0	0	2	2
African American	0			0			8	2	10	10	1	11	1	1	2			0	19	4	23
Hispanic	0			0	0	1	1	2	2	4			3	3		0	2	6	8		
Other	0			0	1	1	2			0			0			0	1	1	2		
TOTAL	0	0	0	0	0	0	9	6	15	12	3	15	1	4	5	0	0	0	22	13	35

3RD YEAR STUDENTS

TAB44T.F

ETHNICITY	6TH*			7TH			8TH			9TH			10TH			11TH			TOTAL		
	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T
Native American	0			0			0			0			0			0	0	0	0	0	0
Anglo	0			0			0	1		1	1		1			0	2	0	2		
African American	0			0			0	5		5	9	2	11			0	14	2	16		
Hispanic	0			0			0	1	2	3	2	2	4	1	1	2	4	5	9		
Other	0			0			0			0			1	1		0	0	1	1		
TOTAL	0	7	2	9	12	5	17	1	1	2	20	8	28								

4TH YEAR STUDENTS

TAB44T.F

ETHNICITY	6TH*			7TH			8TH			9TH			10TH			11TH			TOTAL		
	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T
Native American	0			0			0			0			0			0	0	0	0	0	0
Anglo	0			0			0			0			0			1	1	0	1	1	
African American	0			0			0	1	1	2	1		1			0	2	1	3		
Hispanic	0			0			0			0	1		1	1	2	3	2	2	4		
Other	0			0			0			0	2		2	1	1	2	3	1	4		
TOTAL	0	1	1	2	4	0	4	2	4	6	7	5	12								

TOTAL STUDENTS

TAB44T.F

ETHNICITY	6TH*			7TH			8TH			9TH			10TH			11TH			TOTAL		
	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T
Native Am	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Anglo	0	0	0	1	1	2	2	2	4	1	0	1	1	0	1	0	1	1	5	4	9
African A	0	0	0	9	5	14	15	9	24	19	10	29	11	3	14	0	0	0	54	27	81
Hispanic	0	0	0	3	2	5	3	6	9	11	10	21	3	5	8	2	3	5	22	26	48
Other	0	0	0	4	1	5	5	3	8	1	0	1	2	1	3	1	1	2	13	6	19
TOTAL	0	0	0	18	9	27	25	20	45	32	20	52	17	9	26	3	5	8	95	63	158

* Grade Level F - FEMALE, M - MALE, T - TOTAL

GR 5/16

1997 TexPREP
ETHNIC, GRADE, AND GENDER DISTRIBUTION

TexPREP Site: Houston Submitted on (date): _____

Statistics for (check one):

Applied Anticipated Started X Active Completed

1ST YEAR STUDENTS

ETHNICITY	6TH*			7TH			8TH			9TH			10TH			11TH			TOTAL			
	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	
Native American	0	1		1			0			0			0			0	1	0	1	0	1	
Anglo		0	1	1	2	3		3		0			0			0	4	1	5			
African American	0	11	9	20	9	7	16	9	8	17			0			0	29	24	53			
Hispanic		0	3	2	5	3	7	10	8	6	14			0		0	14	15	29			
Other		0	4	1	5	4	2	6	1	1			0			0	9	3	12			
TOTAL	0	0	0	20	13	33	19	16	35	18	14	32	0	0	0	0	0	57	43	100		

2ND YEAR STUDENTS

ETHNICITY	6TH*			7TH			8TH			9TH			10TH			11TH			TOTAL			
	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	
Native American	0			0			0	1		1			0			0	1	0	1	0	1	
Anglo		0		0	0	2	2		2	0			0			0	0	2	0	2	2	
African American	0			0	10	2	12	11	2	13	1	1	2			0	22	5	27			
Hispanic		0		0	2	1	3	3	4	7			3	3		0	5	8	13			
Other		0		0	1	1	2		0				0			0	1	1	2			
TOTAL	0	0	0	0	0	13	6	19	15	6	21	1	4	5	0	0	0	29	16	45		

3RD YEAR STUDENTS

ETHNICITY	6TH*			7TH			8TH			9TH			10TH			11TH			TOTAL		
	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T
Native American	0			0			0			0			0			0	0	0	0	0	0
Anglo		0		0	0		0	1		1	1		1			0	2	0	2	0	2
African American	0			0	0		0	6	1	7	10	2	12	1	1	2	17	4	21		
Hispanic		0		0	0		0	1	4	5	3	3	6	1	1	2	5	8	13		
Other		0		0	0		0			0			0			0	0	1	1		
TOTAL	0	8	5	13	14	6	20	2	4	24	13	37									

4TH YEAR STUDENTS

ETHNICITY	6TH*			7TH			8TH			9TH			10TH			11TH			TOTAL			
	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	
Native American	0			0			0			0			0			0	0	0	0	0	0	
Anglo		0		0	0		0			0			0			1	1	0	1	1	1	
African American	0			0	0		0	1	1	2	1		1			0	2	1	3			
Hispanic		0		0	0		0			0	1		1	1	2	3	2	2	4			
Other		0		0	0		0			0	2		2	1	1	2	3	1	4			
TOTAL	0	1	1	2	4	0	4	2	4	6	7	5	12									

TOTAL STUDENTS

ETHNICITY	6TH*			7TH			8TH			9TH			10TH			11TH			TOTAL				
	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T		
Native American	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2	0	2		
Anglo		0	1	1	2	3	2	5	1	0	1	1	0	1	0	1	1	6	4	10			
African American	0	11	9	20	19	9	28	27	12	39	12	3	15	1	1	2	70	34	104				
Hispanic		0	3	2	5	5	8	13	12	14	26	4	6	10	2	3	5	26	33	59			
Other		0	4	1	5	5	8	1	0	1	2	1	3	1	1	2	13	6	19				
TOTAL	0	0	0	20	13	33	32	22	54	42	26	68	19	10	29	4	6	10	117	77	194		

* Grade Level F - FEMALE, M - MALE, T - TOTAL

GRC

1997 Houston PREP Demographic Distribution of Program Staff

SITE: Houston

INSTRUCTIONAL STAFF: (to include any staff member that taught any component, except Research and Study)

COLLEGE FACULTY: 2

MIDDLE/HIGH SCHOOL TEACHER(S): 5

PROFESSIONAL ENGINEER, SCIENTIST, MATHEMATICIAN(S):

U.S. AIR FORCE OFFICER(S):

U.S. NAVAL OFFICER(S):

U.S. MERCHANT MARINE OFFICER(S):

GRADUATE STUDENT(S): 1

UNDERGRADUATE STUDENT(S):

PROGRAM ASSISTANTS & JUNIOR PROGRAM ASSISTANTS: (to include any staff member that did not teach any component, except Research & Study)

GRADUATE STUDENTS:

UNDERGRADUATE STUDENTS: 9

HIGH SCHOOL STUDENTS:

ADMINISTRATIVE:

ASSISTANTS: 3

SECRETARY: 2

OTHER: 2, Dr. Aló -Director, Ms. Sangeeta Gad-Coordinator

TOTAL STAFF: 24

1997 PREP Staff Distribution

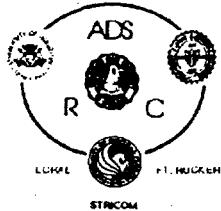
HOUSTON PREP 1997

STAFF ETHNIC AND GENDER DISTRIBUTION

POSITION		STAFF ETHNIC AND GENDER DISTRIBUTION										TOTAL							
		ETHNIC			NATIVE			AFRICAN			HISPANIC			ASIAN/			OTHER		
GENDER		F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T
College & University Faculty		0	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2
Middle & High School Teachers		0	1	1	2	1	3	0	1	1	3	2	5	0	0	0	0	0	0
Industrial Scientists, Engineers, & Mathematicians		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Support Staff		0	1	1	0	1	3	4	1	1	2	2	5	7	0	0	0	0	0
Undergraduate Students		0	0	0	3	3	4	2	6	6	0	4	5	9	0	1	1	0	1
Graduate Students		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Military Officers		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		0	0	1	2	3	2	4	6	5	5	10	2	3	5	10	14	24	

Appendix C

1997 Houston PREP Follow-up Letter and Survey Application
Distribution of Former Houston PREP Graduates Follow-up Survey
Participants
Distribution of Colleges Former PREP Graduates Are Attending
Demographic Distribution of Former PREP Graduates' Classification
Demographic Distribution of Former PREP College Graduates



**CENTER FOR COMPUTATIONAL SCIENCE AND
ADVANCED DISTRIBUTED SIMULATION**
A unit of the
Advanced Distributed Simulation Research Consortium
of the U.S. Army Research Office
Additional funding: National Science Foundation,
Computer and Information Science and Engineering Directorate

July 8, 1997

Dear PREP Scholar:

On behalf of the Houston PREP program, I would like to officially request the provision of your support by completing the attached survey. Your support would be greatly appreciated and could definitely make a difference.

In the past, the PREP Office has mailed a survey form to all of its former PREP scholars each year as a way to keep in contact and be aware of any achievements. These achievements of former PREP Scholars have contributed in elevating the PREP Program to national prominence.

Yet, as you are aware of recent legislature cutbacks, Houston PREP's financial stability has drastically weakened. Houston PREP is now struggling to continue future operations. Please help PREP by completing and returning the enclosed survey form every year.

The survey form gives us an opportunity to track former scholars and report on their achievements. This information is very important because current and potential benefactors want to know what is happening to program alumni.

As you may recall, Houston PREP is a non-profit, educational enrichment program for socially and economically disadvantaged, middle and high school students. PREP has never charged for tuition or fees, and for the past several years has been an approved site for the Texas Department of Human Services Summer Food Service Program (SFSP), meaning that all participants receive free breakfast and lunch during the program.

Previously, Houston PREP was a three-year program. For the first time, Houston PREP is introducing a Fourth Year Program this summer that includes Biology, Computer Science, Calculus, and Physics. Nearly 200 students are expected to complete this summer's program (PREP's ninth year in operation).

Would you please kindly fill out the survey form and return it by July 29, 1997 in the enclosed business reply envelope. The survey should take less than ten minutes to fill out.

I am pleased to inform you that PREP is now on the World Wide Web. You may visit PREP's homepage at [Http://satyricon.dt.uh.edu/~ccsds/outreach/prep.htm](http://satyricon.dt.uh.edu/~ccsds/outreach/prep.htm).

Enclosed please find an application form from the Houston Resource Center at UHD. This Scholarship Search Service should be taken advantage of as no charges are incurred.

Thank you for your attention and cooperation in this important matter. I wish you every success for the future.

Best wishes,

Sangeeta Gad
Coordinator, Houston PREP '97

RG
Enclosures

HOUSTON PREP FOLLOW-UP SURVEY (1989-1997)

PLEASE COMPLETE ALL OF THE FOLLOWING BELOW. THANK YOU FOR YOUR SUPPORT.

I. GENERAL INFORMATION

1. LAST: _____ FIRST: _____ MI: _____
2. SOCIAL SECURITY NUMBER: _____
3. PERMANENT MAILING ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
4. PERMANENT PHONE NUMBER: (_____) _____
5. E-MAIL ADDRESS: _____
6. DID YOU GRADUATE FROM HIGH SCHOOL? YES NO IF GRADUATED, WHAT YEAR? _____
HIGH SCHOOL DIPLOMA FROM? SCHOOL: _____ DISTRICT: _____
7. 96-97 ACADEMIC STATUS: H.S. SENIOR COLLEGE STUDENT COLLEGE GRAD. OTHER
8. 96-97 CLASSIFICATION: H.S. SENIOR FR SO JR. SR. COLLEGE GRADUATE
9. 96-97 COLLEGE/UNIVERSITY ATTENDED: _____
CITY: _____ STATE: _____
TYPE OF SCHOOL: JUNIOR/COMMUNITY 4-YEAR TECHNICAL/VOCATIONAL GRADUATE SCHOOL
10. MAJOR: ENGINEERING SCIENCE MATHEMATICS OTHER - SPECIFY _____
11. AREA OF CONCENTRATION/SPECIALIZATION: _____
12. IF COLLEGE GRADUATE: TYPE OF DEGREE: ASSOCIATES BACHELORS MASTERS DOCTORAL
13. ETHNICITY: AMERICAN INDIAN ANGLO AFRICAN AMERICAN HISPANIC ASIAN/ORIENTAL
 OTHER - SPECIFY _____
14. GENDER: FEMALE MALE 15. CURRENT AGE: _____
16. HIGHEST EDUCATION LEVEL FOR FATHER: _____
HIGHEST EDUCATION LEVEL FOR MOTHER: _____

II. CURRENT STATUS

PLEASE CHECK THE APPROPRIATE:

A. ATTENDING COLLEGE NOT ATTENDING COLLEGE ATTENDING GRADUATE COLLEGE
B. EMPLOYED UNEMPLOYED

IF YOU ARE CURRENTLY EMPLOYED, WHAT IS YOUR CURRENT OCCUPATION? _____

PLACE OF EMPLOYMENT? _____

EMPLOYMENT ADDRESS: _____

CURRENT SALARY: 5,000-10,000 10,000-20,000 20,000-30,000 30,000-40,000 40,000-50,000

III. ANTICIPATED ACADEMIC STUDIES

WHAT TYPE OF SCHOOL DO YOU PLAN TO ATTEND IN THE FALL (OR 97-98 ACADEMIC YEAR)?

JUNIOR/COMMUNITY COLLEGE 4-YEAR COLLEGE TECHNICAL/VOCATIONAL COLLEGE

IF YOU ATTEND COLLEGE IN THE FALL, WHAT WILL BE YOUR 97-98 CLASSIFICATION?

FRESHMAN SOPHOMORE JUNIOR SENIOR GRADUATE POST-GRADUATE

97-98 COLLEGE/UNIVERSITY NAME? _____

LOCATION? CITY: _____ STATE: _____

IV. EDUCATIONAL GOALS

EXPECTED OCCUPATION: _____

EXPECTED EDUCATIONAL LEVEL: (Check One)

<input type="checkbox"/> some high school	<input type="checkbox"/> bachelor's degree
<input type="checkbox"/> graduate from high school	<input type="checkbox"/> master's degree
<input type="checkbox"/> some college	<input type="checkbox"/> doctoral degree
<input type="checkbox"/> associates degree	<input type="checkbox"/> postdoctoral degree
<input type="checkbox"/> vocational training certification	<input type="checkbox"/> undecided
<input type="checkbox"/> other: _____	

V. ATTITUDINAL INFORMATION

HOW MUCH DO YOU FEEL THAT PREP HAS INFLUENCED YOU TOWARD COLLEGE STUDIES?

(Check One) NOT AT ALL SOMEWHAT VERY MUCH

HOW MUCH DO YOU FEEL THAT PREP HAS PREPARED YOU FOR COLLEGE STUDIES?

(Check One) NOT AT ALL SOMEWHAT VERY MUCH

HOW MUCH DO YOU FEEL THAT PREP HAS INFLUENCED YOU TOWARD YOUR CURRENT MAJOR OR OCCUPATION?

(Check One) NOT AT ALL SOMEWHAT VERY MUCH

WHICH PARTS OF THE PREP CURRICULUM WERE USEFUL TO YOU IN YOUR WORK OR STUDIES OUTSIDE THE PROGRAM?

LOGIC ENGINEERING COMPUTER SCIENCE PROBLEM SOLVING
 ALGEBRAIC STRUCTURES PHYSICS PROBABILITY AND STATISTICS TECHNICAL WRITING

VI. COLLEGE PREPARATION

WHAT PRECOLLEGE MATHEMATICS COURSES DID YOU COMPLETE?

(Check all that applies, and circle those that were honors courses)

PRE-ALGEBRA ALGEBRA I ALGEBRA II GEOMETRY TRIGONOMETRY
 PRE-CALCULUS CALCULUS OTHER - SPECIFY _____

WHAT PRECOLLEGE SCIENCE COURSES DID YOU COMPLETE?

EARTH SCIENCE LIFE SCIENCE BIOLOGY GEOLOGY PHYSICS CHEMISTRY I
 CHEMISTRY II COMPUTER SCIENCE ANATOMY OTHER - SPECIFY _____

VII. PERSONAL PROFILE

PREP IS VERY INTERESTED IN LEARNING OF THE ACHIEVEMENTS OF FORMER SCHOLARS. PLEASE LIST PRIZES, AWARDS, SCHOLARSHIPS, OR FELLOWSHIPS WHICH YOU MAY HAVE RECEIVED IN THE PAST YEAR. PLEASE INCLUDE ANY OTHER SPECIAL COMMENTS ABOUT YOURSELF OR PREP THAT YOU WISH TO SHARE. (PLEASE USE ADDITIONAL PAPER IF NEEDED.)

THANK YOU FOR COMPLETING THIS SURVEY. PLEASE RETURN IT IN THE BUSINESS REPLY ENVELOPE BY JULY 28, 1997. IF YOU HAVE ANY QUESTIONS OR COMMENTS, PLEASE CONTACT:

SANGEETA GAD
COORDINATOR, HOUSTON PREP 1997
THE UNIVERSITY OF HOUSTON-DOWNTOWN
CENTER FOR COMPUTATIONAL SCIENCE AND
ADVANCED DISTRIBUTED SIMULATION
ONE MAIN STREET SUITE S-722
HOUSTON, TX. 77002
(713) 221-8432

1997 FOLLOW-UP SURVEY OF FORMER PREP PARTICIPANTS

TEXPREP SITE: _____ Houston _____

PREPYEAR.FRM

FIRST PREP YEAR	# OF COLLEGE ELIGIBLE	# OF REPLIES**	ATTENDING COLLEGE***				TOTAL	NOT IN COLLEGE	COLLEGE GRADUATES			TOTAL
			ENGINEERING	SCIENCE	OTHER	UNDECIDED			ENG.	SC.	THE	
1986							0					0
1987							0					0
1988							0					0
1989	17	8					1	1	1	1	2	6
1990	31	13		1	3	6	10	10	2	2	1	3
1991	40	29		8	8	11	27	27	2			0
1992	42	24		5	10	6	23	23	1			1
1993	13	9		5	1	2	9	9				0
1994	3	2		1			1	1	2			0
1995							0	0				0
1996							0	0				0
TOTALS	146	85	20	23	25	4	72	3	2	4	4	10

GRC 05/08/97

** - SURVEY RESPONDENTS

*** - ATTENDING COLLEGE IN 97-98 SCHOOL YEAR

TEXPREP SITE: Houston

1997 SURVEY OF FORMER TEXPREP PARTICIPANTS CURRENTLY IN COLLEGE

INSTITUTION	TINCOL. FRM			TOTAL
	ENGINEERING	SCIENCE	OTHER	
Case Western Reserve University		1		1
Central Texas College(Killen)		1		1
Baylor School		1		1
Darmount University, New Hampshire	1	1		2
Harvard University, Cambridge, MA	1			1
Houston Community College	2	4		6
Kingwood Community College		1		1
Langston University	1			1
Massachusetts Institute of Technology (Cambridge)		1		1
North Harris	2	1	1	2
Prairie View A&M	1	2		3
Rice University	1	2	1	4
Sam Houston University, Huntsville		1		1
Southern Univ.Baton Rouge,Louisiana		1		1
Southwest Texas State University	1		1	1
St. Angelo State University		1		1
St. Thomas University		1		1
Texas A&M, College Station	2	1		3
Texas A&M at Galveston		1		1
Texas Southern University	1	1		2
Texas Woman's University, Denton		1		1
The University of Oklahoma, Norman	1			1
Trinity University		1		1
Tuskggee University	1			1
University of Houston	4	7	3	14
University of Houston-Downtown		2	1	3
U.S.Naval Academy,Indianapolis,MD		1		1
U.T.at Austin	3	3	2	8
Wiley College, Marshall		1		1
Yale University, TX		1		1
TOTALS	20	23	5	72

1997 TEXAS PREFRESHMAN ENGINEERING PROGRAM
FOLLOW-UP STUDY OF COLLEGE AGE PARTICIPANTS
(COLLEGE YEAR, MAJOR, ETHNIC GROUP, & GENDER)

TexPREP SITE:			Houston									CLASSIF.						
ETHNIC GROUP	NATIVE AMERICAN			ANGLO			AFRICAN AMERICAN			HISPANIC			OTHER			TOTAL		
	SEX	F	M	T	F	M	T	F	M	T	F	M	T	F	M	T	F	M
FRESHMEN																		
ENGINEERING		1	1		1	1		3	3		0		3	3	0	8	8	
SCIENCE		0			0			2	2		1	1	1	1	2	1	4	5
OTHER		0	2		2	2	1	3		2	2	1		1	5	3	8	
UNDECIDED		0			0			0			0			0	0	0	0	
SUBTOTAL		0	1	1	2	1	3	2	6	8	0	3	3	2	4	6	6	15
SOPHOMORES																		
ENGINEERING		0			0	1	2	3		2	2	1	1	2	2	5	7	
SCIENCE		0			0	3		3	1		1	1	1	6	5	5	10	
OTHER		0	3		3	3	1	4	1	3	4		0	7	4	11		
UNDECIDED		0			0	1		1	1		1	2		2	4	0	4	
SUBTOTAL		0	0	0	3	0	3	7	1	8	3	3	6	3	5	8	18	14
JUNIORS																		
ENGINEERING		0			0		4	4		0		1	1	0	5	5		
SCIENCE		0			0	1	1	2		0	2	1	3	3	2	5		
OTHER		0	1		1		1	1	2		2		0	3	1	4		
UNDECIDED		0			0		0			0		0		0	0	0	0	
SUBTOTAL		0	0	0	1	0	1	1	6	7	2	0	2	2	2	4	6	8
SENIORS																		
ENGINEERING		0			0			0		0				0	0	0	0	0
SCIENCE		0			0			0		1	1	1	1	1	1	1	1	2
OTHER		0			0			0	1		1	1	1	1	2	2	1	3
UNDECIDED		0			0		0			0		0		0	0	0	0	0
SUBTOTAL		0	0	0	0	0	0	0	0	1	1	2	2	1	3	3	2	5
GRADUATED																		
ENGINEERING		0		1	1			0		1	1			0	0	2	2	
SCIENCE		0		0	0	1		1	1		1	1	1	1	2	3	1	4
OTHER		0		0	0	2		2	2		2		2		0	4	0	4
SUBTOTAL		0	0	0	0	1	1	3	0	3	3	1	4	1	1	2	7	3
GRAND TOTAL IN COLLEGE																		
ENGINEERING	0	1	1	0	2	2	1	9	10	0	3	3	1	5	6	2	20	22
SCIENCE	0	0	0	0	0	0	5	3	8	2	2	4	6	8	14	13	13	26
OTHER	0	0	0	6	0	6	7	3	10	6	5	11	2	1	3	21	9	30
UNDECIDED	0	0	0	0	0	0	1	0	1	1	0	1	2	0	2	4	0	4
SUBTOTAL	0	1	1	6	2	8	14	15	29	9	10	19	11	14	25	40	42	82
NO COLLEGE										1	2	3						3
TOTAL	0	1	1	6	2	8	14	15	29	10	12	22	11	14	25	40	42	82

* F - FEMALE, M - MALE, T - TOTAL

GRC 5/8/97

1997 TexPREP SURVEY - PREP SCHOLARS NOW COLLEGE GRADUATES

TEXPREP SITE:

Houston

* * * N. A. - Native American, A. - Anglo, A. A. - African American, H. - Hispanic, O. - Other, TTL - Total; M - Male, F - Female

Appendix D

**1997 Houston PREP Graduates Listed by PREP Year and Alphabetically
1997 Houston PREP Graduates Listed by Grade Level
1997 Houston PREP Graduates Listed by School Districts and Schools**

1997 Houston PREP Certified Participants

Y	LAST	FIRST	PHONE	ADDRESS	CITY	ST	ZIP	GRD	SCHOOL	DISTRICT
1	Abraham	Jerry P.	281-458-9434	14139 Dartwood Dr.	Houston	TX	77049-3619	7	Cunningham MS	Galena Park
1	Adimora-Nweke	Ernest Jr.	281-933-4154	6826 Caddo Lake Ln.	Houston	TX	77083	8	Killough MS	Alief
1	Adimora-Nweke	Ifeoma F.	281-933-4154	6826 Caddo Lake Ln.	Houston	TX	77083	9	Elisk HS	Alief
1	Alford	Alicia S.	713-441-9038	7807 Swallow Pk.Dr.	Humble	TX	77396	7	Northwood MS	North Forest
1	Almazan	Francisco J.	281-931-8942	1138 Hartwick	Houston	TX	77037	9	Reagan HS	Houston
1	Asberry	Danny A.	281-590-4913	6134 Micallet St.	Houston	TX	77016	9	Forest Brook HS	North Forest
1	Avalos	Jacob T.	713-451-4980	12807 Woodlite	Houston	TX	77015	7	Cunningham MS	Galena Park
1	Aviann	Anjoli M.	713-522-7160	1719 Francis	Houston	TX	77004	9	Washington HS	Houston
1	Barron	Maria R.	713-671-9654	7914 Wiggins	Houston	TX	77029-4137	9	Furr HS	Houston
1	Beal	Kimberly S.	713-738-3195	5237 Higgins	Houston	TX	77033	8	Ryan MS	Houston
1	Boone	Octavian C.	713-446-0327	20723 Towne Vue Ct.	Humble	TX	77338	7	Teaque MS	Aldine
1	Brooks	Akilah N.	713-541-5110	9022 Corent Gardens	Houston	TX	77031-3016	8	St. Nicholas MS	Private
1	Brown	Amber D.	713-433-3192	2715 Monticello	Houston	TX	77045-3711	7	Preparatory Academy	Private
1	Brown	Danielle D.	281-847-3630	7734 Antoine	Houston	TX	77088	8	Clifton MS	Houston
1	Brown	Kelsey N.	281-564-0160	10215 Beechnut #502	Houston	TX	77072	7	Olle MS	Alief
1	Cantu	Manuel E.	713-674-2439	2213 6th Street	Galena Park TX	TX	77547	8	Galena Park MS	Galena Park
1	Cavazos	Ana M.	713-451-2943	1339 16Th Street	Galena Park TX	TX	77547	8	Galena Park MS	Galena Park
1	Chavez	Efrain A.	713-649-8829	4233 Neal St.	Houston	TX	77017	8	Gregory-Lincoln EC	Houston
1	Cheng	Elaine Y.	281-931-9603	3903 Lemon Tree Ln.	Houston	TX	77088	7	Hoffman MS	Aldine
1	Cho	Helen H.	713-932-9590	814 York Chester	Houston	TX	77079	7	Memorial MS	Spring Branch
1	Cumby	Christopher G.	281-347-2586	22715 Leedstown Ln.	Katy	TX	77449	7	Mc Donald HS	Katy
1	Cunningham	William O.	713-641-2877	6847 Glen Rock Dr.	Houston	TX	77087	9	Washington HS	Houston
1	Delgado	Isaias M.	713-694-4236	4006 Parker Rd. #1	Houston	TX	77093	9	MacArthur HS	Aldine
1	Dufur	Candis M.	281-441-3317	16214 Green Manor	Humble	TX	77396-3155	7	Hambrick MS	Aldine
1	Farrell	Jane Y.	713-643-9242	3151 Golfrest Blvd.	Houston	TX	77087	9	Law Enforcement HS	Houston
1	Fernandez	Jim	713-691-4443	4610 McEwen	Houston	TX	77009	9	The Chinquapin School	Private
1	Gabriel	Amy C.	281-458-2436	14131 Nightingale Dr. Houston	Houston	TX	77050	8	Key MS	Houston
1	Garcia	Elizabeth H.	713-674-0195	922 Hahlo	Houston	TX	77020	7	Pershing MS	Houston
1	Garza	Monica	713-673-6010	2108 9th Street	Galena Park TX	TX	77547	8	Galena Park MS	Galena Park
1	George	Ekon A.	281-448-6453	3622 Saratoga Dr.	Houston	TX	77088	7	Hoffman MS	Aldine
1	Glass	Jamila N.	713-748-0486	4372 Varsity Ln.	Houston	TX	77004	8	Ryan MS	Houston
1	Guerrero	Julisa E.	713-645-9473	7457 Lakehurst	Houston	TX	77087-6109	9	Law Enforcement HS	Houston
1	Gutierrez	Neeey	713-455-3344	12659 Alice S Ln.	Houston	TX	77015	8	Woodland MS	Galena Park
1	Gutierrez	Rebecca	281-247-0605	5405 Starling	Houston	TX	77017	9	Milby HS	Houston
1	Gutierrez	Sarah	281-247-0605	5405 Starling	Houston	TX	77017	9	Milby HS	Houston
1	Hammond	Danyelle D.	281-459-2835	6014 Beauford Ct.	Houston	TX	77049	7	Cunningham MS	Galena Park

Y	LAST	FIRST	PHONE	ADDRESS	CITY	ST	ZIP	GRD SCHOOL	DISTRICT
1	Hernandez	Melissa	281-459-3241	6330 Homeview	Houston	TX	77049	7 Cunningham MS	Galena Park
1	Hernandez	Walter V.	281-449-4759	4431 Cleda Ln.	Houston	TX	77039	9 MacArthur HS	Aldine
1	Higgins	Lauren D.	281-446-9519	20307 Bishops Gate Ln.	Humble	TX	77338-2716	7 Teague MS	Aldine
1	Hill	Brian D.	713-635-1940	9807 Trumpet Ln.	Houston	TX	77078	8 Kirby HS	North Forest
1	Johnson	David W.	713-748-4720	3457 Noah	Houston	TX	77021	8 Ryan MS	Houston
1	Johnson	Roy L.	713-529-9339	2814 Cleburne	Houston	TX	77004-5434	9 Yates HS	Houston
1	Karkhanis	Arjun G.	281-550-7145	18234 Oak Hampton Dr.	Houston	TX	77084	8 Watkins MS	Cypress-Fairbanks
1	Karkhanis	Geeta G.	281-550-7145	18234 Oak Hampton Dr.	Houston	TX	77084	7 Watkins MS	Cypress-Fairbanks
1	Karthikar	Vikram B.	281-256-2679	13930 Carrington Ln.	Cypress	TX	77429	8 Arnold MS	Cypress-Fairbanks
1	Land	Taren A.	281-446-1677	20307 Lionsgate Ln.	Humble	TX	77338	7 Teague MS	Aldine
1	Lewis	Justin L.	713-981-8984	9090 S Braeswood	Houston	TX	77074	7 Westbury Christian School Private	
1	Lewis	Levar J.	713-528-1772	3106 Southmore	Houston	TX	77004	7 Pershing MS	Houston
1	Lewis	Monique S.	281-343-9032	7418 Quiet Gien Dr.	Sugarland	TX	774796318	7 Lamar MS, Rosenberg TX Out of Town	
1	Liou	May-Ying M.	281-980-0531	3002 Arrowhead Dr.	Sugarland	TX	77479	8 First Coloby MS	Fort Bend
1	Lujan	Nelsi	713-453-3841	13351 Peoria	Houston	TX	77015	9 North Shore HS	Galena Park
1	Marroquin	Antonio	713-451-9040	803 Westway	GalenaPark TX	77547	8 Galena Park MS	Galena Park	
1	Mata	Monica V.	281-590-5228	11910 Vickery	Houston	TX	77039-6012	9 MacArthur HS	Aldine
1	Mauldin	Rebecca L.	713-921-4773	4430 Rusk	Houston	TX	77023-1136	8 Hamilton MS	Houston
1	Mayhorn	Ebony T.	281-987-9362	5409 Van Zandt	Houston	TX	77016	8 Northwood MS	North Forest
1	McMillian	Kia R.	281-355-6500	25414 Avery Hill Ln.	Spring	TX	77373	8 Twin Creeks MS	Spring
1	McNatty	Elizabeth G.	281-548-3254	6911 Fox Port Ln.	Humble	TX	77338	8 Teague MS	Aldine
1	Meremikwu	Kelechi	281-495-9179	6834 Wellwood Ct.	Houston	TX	77083-3520	9 Elsik HS	Alief
1	Minta	Kofi O.	281-265-0861	39 Sterling Street	Sugarland	TX	77479	7 Lake Olympia MS	Fort Bend
1	Miranda	Juan	713-649-6059	6314 Clover Ridge	Houston	TX	77087	9 Milby HS	Aldine
1	Mirtuza	Fatima	281-565-1401	664 Clarendon Falls Dr.	Sugarland	TX	77479	7 Macario Garcia MS	Fort Bend
1	Nicklos II	John	713-956-4064	5550 Holly View #405	Houston	TX	77091	7 Hoffman MS	Aldine
1	Needham	Jennifer M.	281-442-6650	14702 Surles Dr.	Houston	TX	77032-4320	7 Teague MS	Houston
1	Ong	Michelle A.	713-783-3168	9626 Pagewood	Houston	TX	77063-5106	8 Long MS	Aldine
1	Padilla	Melissa A.	713-946-8849	5103 Silver Creek #28	Houston	TX	77017	9 Milby HS	Houston
1	Pena	Rodolfo J.	713-676-0885	10233 Lane St.	Houston	TX	77029	8 Galena Park MS	Galena Park
1	Perrett	Diana	713-673-3994	10246 Norvic	Jacinto C.	TX	77029	8 Galena Park MS	Galena Park
1	Pierre	Candice E.	281-335-1424	18519 Egret Bay Blvd. #1513	Houston	TX	77058	8 League City MS	Clear Creek
1	Ragin	William A.	713-481-0305	11506 Sagegreen Ct.	Houston	TX	77089	9 Clear Brook HS	Clear Creek
1	Reed	Amnis T.	281-931-5223	5914 Carnuso Forest Dr.	Houston	TX	77088	9 Klein MS	Klein
1	Salinas	Mario	713-854-0050	430 Harvard	Houston	TX	77077	9 Reagan HS	Houston
1	Serna	Rene	713-671-0144	119 Graham	GalenaPark TX	77547	7 Galena Park MS	Galena Park	
1	Shorten	Jarrett M.	713-729-5587	6153 Dryad Dr.	Houston	TX	77035	8 Johnston MS	Houston
1	Siddiqi	Khadija	281-879-8359	9103 Dianielle Ct.	Houston	TX	77099-2005	8 Ogle MS	Alief

Y	LAST	FIRST	PHONE	ADDRESS	CITY	ST	ZIP	GRD SCHOOL	DISTRICT
1	Siddiqui	Yameena	713-939-9910	2823 Fontana	Houston	TX	77043	8 Spring Oaks MS	Spring Branch
1	Stephens	Maranda K.	281-894-2645	10523 Timberloon	Houston	TX	77070	9 Cypress Creek HS	Cypress-Fairbanks
1	Stephens	Melanie E.	281-894-2645	10523 Timberloch Dr.	Houston	TX	77070	7 Bleyl MS	Cypress-Fairbanks
1	Stingley	Timothy A.	713-631-6180	8425 Spaulding St.	Houston	TX	77016	8 Lamar HS	Houston
1	Thompson	Trenton R.	713-931-5820	8927 Donley Dr.	Houston	TX	77088	8 Shotwell MS	Aldine
1	Villa	Monica I.	713-673-5560	918 Hahlo	Houston	TX	77020	9 HS for Health Professions	Houston
1	Williams	Jahred K.	713-694-1835	4223 Castor Street	Houston	TX	77022	8 Lanier MS	Houston
1	Williams	Jason L.	281-530-3003	10511 Tenneta Dr.	Houston	TX	77099-3808	9 Hastings HS	Alief
1	Young	Travis W.	281-448-4216	6935 Sandswep Lln.	Houston	TX	77086	7 Shotwell MS	Aldine
2	Abdullah	Ahmed	281-564-6376	11215 Wilcrest Dr. #115	Houston	TX	77099	10 Olie MS	Alief
2	Abdullah	Haider	281-564-6376	11215 Wilcrest Dr. #115	Houston	TX	77099	10 Olie MS	Alief
2	Booth	Akeem	713-451-3449	2823 Green Hollow Ct.	Houston	TX	77015-6607	9 Dulles HS	Fort Bend
2	Davis	Jernmaine C.	713-728-4566	5959 Beaudry	Houston	TX	77035	10 Belaire HS	Houston
2	DeLeon	Angelica	281-431-2844	5143 W. Davis Rd.	Arcola	TX	77583-2013	10 Elkins HS	Fort Bend
2	Duckett	Terrika E.	713-578-0996	19310 Spanish Needle	Houston	TX	77084	8 Mayde Creek MS	Katy
2	Flores	Cesar	281-999-2170	818 Isetta Ln.	Houston	TX	77060	10 Nimitz HS	Aldine
2	Gibbs	Billie J.	713-633-4962	4914 Earline	Houston	TX	77016	9 Crockett HS	Out of Town
2	Hall	J'Antae D.	713-987-1404	2017 Wichita	Houston	TX	77004	10 Lamar HS	Houston
2	Hardikar	Amol A.	713-265-1821	3015 Sam Houston Dr.	Sugarland	TX	77479	8 First Colony MS	Fort Bend
2	Henry	Kristen C.	713-589-1396	13511 N. Tracwood bend	Houston	TX	77077	8 Village Grade	Private
2	Hernandez	Moses J.	713-459-3241	6330 Homeview	Houston	TX	77049	9 North Shore HS	Galena Park
2	Holmes	Terrie L.	713-437-1418	6603 Krause Dr.	Missouric.	TX	77489-3506	8 McAuliffe MS	Fort Bend
2	Jones	Sharhonda	713-727-1488	7522 Rockhill	Houston	TX	77061	8 Welch MS	Houston
2	Leal	Diana J.	713-862-4944	401 E. 27th St.	Houston	TX	77008	9 Reagan HS	Houston
2	Lee	Mary E.	713-695-9925	7904 West St.	Houston	TX	77093	8 Lamar Fleming MS	Houston
2	Lindsey	Patrick T.	713-980-3227	4107 Sugar Crossing Ct.	Houston	TX	77478	8 Dulles MS	Fort Bend
2	Lockett	Scott A.	713-980-3227	4107 Sugar Crossing Ct.	Houston	TX	77478	8 Dulles MS	Fort Bend
2	Martinez	Elizabeth J.	713-437-6240	16210 Canaridge St.	Houston	TX	77053-3462	8 Christa McAuliffe MS	Fort Bend
2	Martinez	Claudia M.	713-675-7989	7017 Brownwood	Houston	TX	77020	9 Milby HS	Houston
2	Martinez	Teresa D.	713-675-7989	7017 Brownwood	Houston	TX	77020	10 Milby HS	Houston
2	McIntyre	Ra'Mier D.	713-583-1539	4126 Brookhead Tr.	Houston	TX	77066	8 Wunderlich MS	Klein
2	Murphy	Treva A.	713-397-0140	13718 Sedlegarden Ln.	Houston	TX	77014	8 Shotwell MS	Aldine
2	Phillips	Jervale D.	713-459-3853	5914 Wood Bend Dr.	Houston	TX	77049-4025	9 North Shore HS	Galena Park
2	Roberts	Parker J.	713-526-5012	1824 Rosewood	Houston	TX	77004	8 Lanier MS	Houston
2	Rodriguez	Christina M.	713-458-6782	14630 Kemrock	Houston	TX	77049	8 Cunningham MS	Galena Park
2	Sasu	Esther A.	713-438-2767	16338 Bodega Bay	Houston	TX	77053	9 Willowridge HS	Fort Bend
2	Sheffeld	Kathyanne A.	713-227-3927	1409 Live Oak St.	Houston	TX	77003-4410	9 Lamar HS	Houston
2	Smith	Yolanda A.	713-437-3014	5035 Court Road	Houston	TX	77053	8 Christa McAuliffe MS	Fort Bend

Y. LAST	FIRST	PHONE	ADDRESS	CITY	ST	ZIP	GRD	SCHOOL	DISTRICT
2	Stephens	Heaven C.	713-370-9784 4446 W. Cypress Villas Dr.	Houston	TX	77379	9	Klein HS	Klein
2	Thompson	Krislyn R.	713-931-5820 8927 Donley Drive	Houston	TX	77088-3431	9	Aldine HS	Aldine
2	Uzoegwu	Linda C.	713-437-2893 P.O. Box 1594	MissouriC.	TX	77459	9	Lawrence E. Elkins HS	Fort Bend
2	Uzoegwu	Stella U.	713-437-3893 P.O. Box 1594	MissouriC.	TX	77459	8	Quail Valley MS	Fort Bend
2	Walton	Brandi E.	713-879-7921 7318 San Ramon	Houston	TX	77083	9	Elisik HS	Alief
2	Xie	Yinada (Linda)	713-361-3234 4211 Mountain Peaks Way	Houston	TX	77345	8	Creekwood MS	Houston
3	Barnes	Aserine N.	713-671-1559 422 Tennessee	Houston	TX	77029	10	Galena Park HS	Galena Park
3	Barerra	Lizeth	713-931-0977 1439 Peach Spring	Houston	TX	77088	10	Aldine HS	Aldine
3	Boudreaux	Andrea J.	713-721-7609 13710 Misty Bluff	Houston	TX	77085	9	Bellaire HS	Houston
3	Caro	William R.	713-434-8531 3119 Beran Drive	Houston	TX	77045	10	Reagan HS	Private
3	Carter	Turner C.	713-438-4728 16343 Bodega Bay	Houston	TX	77053	9	Washington HS	Houston
3	Chang	Christopher R.	713-493-3242 14742 Oak Bend Dr.	Houston	TX	77079-6419	10	Stratford HS	Spring Branch
3	Dixon	Gloria L.	713-586-8273 3426 Creek Grove Dr.	Houston	TX	77066	10	Eisenhower HS	Aldine
3	Edwards	Shate'L.	713-455-8467 559 Rivergrove	Houston	TX	77015	10	St. Pius X HS	Galena Park
3	Elkins	Syreeta N.	713-674-0108 410 Cartersville	Houston	TX	77029	10	Galena Park HS	Galena Park
3	Espitia	Gabriel	713-674-8820 427 Exchange	Houston	TX	77020	9	Regan HS	Houston
3	Estes	Xavieria M.	713-733-1254 5122 Fairgreen	Houston	TX	77048-2726	9	DeBakey HS	Houston
3	Gibson	Debbie N.	713-674-8568 5536 Tremper	Houston	TX	77020	9	Kashmere HS	Houston
3	Glass	Sharifa N.	713-748-0486 4372 Varsity Lane	Houston	TX	77004-6618	10	DeBakey HS	Houston
3	Goldston	Benjamin M.	713-446-7322 19920 Foxwood Forest #1110	Humble	TX	77338	10	Nimitz HS	Aldine
3	Gutierrez, Jr.	Gosfrey	713-455-3433 12659 Alice Lane	Houston	TX	77015	10	Galena Park HS	Galena Park
3	James	Tia P.	713-635-6111 8458 Rinn Rd.	Houston	TX	77078-2830	10	Law Enforcement HS	Houston
3	Lockett	Kristan E.	713-530-8928 13139 Benford Drive	Houston	TX	77099	10	Washington HS	Galena Park
3	Martinez	Joaquin	713-921-5899 5211 Mulford	Houston	TX	77023-3195	11	Austin HS	Houston
3	Mate	Jennifer M.	713-453-6853 12803 Knollcrest	Houston	TX	77015	9	North Shore HS	Galena Park
3	Mayes	Bianca L.	713-733-2157 4318 Tavenor	Houston	TX	77047-1844	10	Worthing HS	Houston
3	McWilliams	Kimberly J.	713-926-1571 5105 Polk #3	Houston	TX	77023	11	Stephen F. Austin	Houston
3	Murray	Leticia	713-453-8646 1420 Shirley Lane	Houston	TX	77015-6236	10	Galena Park HS	Galena Park
3	Odima	Lensa B.	713-277-7504 8318 Ashlawn Dr.	Houston	TX	77083	9	Austin HS	Houston
3	Orvalle	Idalia	713-692-5164 8209 Fulton #254	Houston	TX	77022	9	Milby HS	Houston
3	Peter	Jenna L.	281-578-0447 20142 Telegraph Square Ln.	Katy	TX	77449	10	Mayde Creek HS	Katy
3	Pineda	Jose E.	713-661-0351 4034 Lemac	Houston	TX	77025	9	Jesse H. Jones HS	Houston
3	Seals	Chani S.	713-438-0283 14502 Circle Chase Dr.	MissouriC.	TX	77489-1833	9	Willowridge HS	Fort Bend
3	Young	Natasha	281-448-4216 6935 Sandswept Lane	Houston	TX	77086	10	Eisenhower HS	Aldine
4	Brown	Nahaysa J.	281-564-0160 10215 Beechnut #502	Houston	TX	77072	10	Alief Hastings HS	Alief
4	Hernandez	Nathaniel D.	281-457-6770 15128 Sheffield Terrace	Channelview	TX	77530	11	Channelview HS	Channelview
4	Martinez	Angela M.	713-466-9636 16 Lany	Houston	TX	77040	11	Incarnate Word Academy	Private
4	Montiel	Alba B.	713-834-8753 502 Blue Bell Rd. #13	Houston	TX	77037	10	Aldine HS	Aldine

Y	LAST	FIRST	PHONE	ADDRESS	CITY	ST	ZIP	GRD	SCHOOL	DISTRICT
4	Ong	Jo Ann	713-783-3168	9626 Pagewood	Houston	TX	77063	11	Texas Academy of Leadership	Houston
4	Rahman	Mohammed A.	281-933-5458	7311 Mar Vista Dr.	Houston	TX	77083-4217	11	Alief Hastings HS	Alief
4	Raheem	Shazia A.	281-933-5458	7311 Mar Vista Dr.	Houston	TX	77083	10	Alief Hastings HS	Alief
4	Siddiqi	Fatimah S.	281-879-8359	9103 Danielle Ct.	Houston	TX	77099	10	Elisik HS	Alief
4	Smith	Jarrod B.	713-974-1080	5029 Richfield Ln.	Houston	TX	77048	9	Lamar HS	Houston
4	Thomas	John E.	713-943-8968	3420 Federal Rd. #275	Houston	TX	77504-1744	11	South Houston HS	Pasadena
4	Toliver	Crystal D.	281-441-3081	7626 Goldfinch	Humble	TX	77396-1818	9	Quest HS	Out of Town
4	White	James Jr. A.		6613 Rowan Ln.	Houston	TX	77074-6315	11	Booker T. Washington	Houston

1997 HOUSTON PREP CERTIFIED PARTICIPANTS
By SCHOOL GRADE LEVEL

LAST	FIRST	G	LAST	FIRST	G	LAST	FIRST	G
Abraham	Jerry P.	7	Siddiqi	Khadija	8	Stephens	Heaven C.	9
Alford	Alicia S.	7	Siddiqui	Yameena	8	Thompson	Krislynn R.	9
Avalos	Jacob T.	7	Stingley	Timothy A.	8	Uzoegwu	Linda C.	9
Boone	Octavian C.	7	Thompson	Trenton R.	8	Walton	Brandi E.	9
Brown	Amber D.	7	Williams	Jahred K.	8	Boudreaux	Andrea J.	9
Brown	Kelsey N.	7	Duckett	Terrika E.	8	Carter	Turner C.	9
Cheng	Elaine Y.	7	Hardikar	Amol A.	8	Espitia	Gabriel	9
Cho	Helen H.	7	Henry	Kristen C.	8	Estes	Xaviera M.	9
Cumby	Christopher	7	Holmes	Terre L.	8	Gibson	Debbie N.	9
Dufur	Candis M.	7	Jones	Sharhonda	8	Mate	Jennifer M.	9
Garcia	Elizabeth H.	7	Lee	Mary E.	8	Odima	Lensa B.	9
George	Ekon A.	7	Lindsey	Patrick T.	8	Ovalle	Idalia	9
George	Ekon A.	7	Lindsey	Scott A.	8	Pineda	Jose E.	9
Hammond	Danyelle D.	7	Lockett	Elizabeth J.	8	Scals	Chani S.	9
Hernandez	Melissa	7	McIntyre	Ra'Mier D.	8	Smith	Jarrod B.	9
Higgins	Lauren D.	7	Murphy	Treva A.	8	Toliver	Crystal D.	9
Karkhanis	Geeta G.	7	Roberts	Parker J.	8	Abdullah	Ahmed	10
Land	Taren A.	7	Rodriguez	Christina M.	8	Abdullah	Haider	10
Lewis	Justin L.	7	Smith	Yolanda A.	8	Davis	Jermaine C.	10
Lewis	Levar J.	7	Uzoegwu	Stella U.	8	DeLeon	Angelica	10
Lewis	Monique S.	7	Xie	Yinada	8	Flores	Cesar	10
Minta	Kofi O.	7	Adimora-Nweke	Ifeoma F.	9	Hall	J'Antae D.	10
Murtuza	Fatima	7	Almazan	Francisco J.	9	Martinez	Teresa D.	10
Needham	Jennifer M.	7	Asberry	Danny A.	9	Barnes	Aserine N.	10
Nicklos II	John A.	7	Avionn	Anjoli M.	9	Barrera	Lizeth	10
Serna	Rene	7	Barron	Maria R.	9	Caro	William R.	10
Stephens	Melanie E.	7	Cunningham	William Jr.	9	Chang	Christopher	10
Young	Travis W.	7	Delgado	Isaias M.	9	Dixon	Gloria L.	10
Adimora-Nweke	Ernest Jr. C.	8	Farrell	Jane Y.	9	Edwards	Shate' L.	10
Beal	Kimberly S.	8	Fernandez	Jim	9	Elkins	Syreeta N.	10
Brooks	Akilah N.	8	Guerrero	Julisa E.	9	Glass	Sharifa N.	10
Brown	Danielle D.	8	Gutierrez	Rebecca	9	Goldston	Benjamin	10
Cantu	Manuel E.	8	Gutierrez	Sarah	9	Gutierrez, Jr.	Gosfrey	10
Cavazos	Ana M.	8	Hernandez	Walter V.	9	James	Tia P.	10
Chavez	Efrain A.	8	Johnson	Roy L.	9	Lockett	Kristan E.	10
Gabriel	Amy C.	8	Lujan	Nelsi	9	Mayes	Bianca L.	10
Garza	Monica	8	Mata	Monica V.	9	Murray	Leticia	10
Glass	Jamila N.	8	Meremikwu	Kelechi	9	Peter	Jenna L.	10
Gutierrez	Neey	8	Miranda	Juan	9	Brown	Nahaysa J.	10
Hill	Brian D.	8	Padilla	Melissa A.	9	Montiel	Alba B.	10
Johnson	David W.	8	Ragin	William A.	9	Raheem	Shazia A.	10
Karkhanis	Arjun G.	8	Reed	Annis T.	9	Siddiqi	Fatimah S.	10
Kavthekar	Vikram B.	8	Salinas	Mario A.	9	Young	Natasha E.	10
Liou	May-Ying	8	Stephens	Maranda K.	9	Martinez	Joaquin	11
Marroquin	Antonio	8	Villa	Monica I.	9	McWilliams	Kimberly J.	11
Mauldin	Rebecca L.	8	Williams	Jason L.	9	Martinez	Angela M.	11
Mayhorn	Ebony T.	8	Boothe	Akeem	9	Ong	JoAnn	11
McMillan	Kia R.	8	Gibbs	Billie J.	9	Rahman	Mohammed	11
McNatty	Elizabeth G.	8	Hernandez	Moses J.	9	Thomas	John E.	11
Ong	Michelle A.	8	Leal	Diana J.	9	White	James Jr. A.	11
Pena	Rodolfo J.	8	Martinez	Claudia M.	9			
Perrett	Diana	8	Phillips	Jervale D.	9			
Pierre	Candice E.	8	Sasu	Esther A.	9			
Shorten	Jarrett M.	8	Sheffield	Kathyanne	9			

1997 HOUSTON PREP CERTIFIED PARTICIPANTS
By SCHOOL & DISTRICT

LAST	FIRST	SCHOOL	DISTRICT	LAST	FIRST	SCHOOL	DISTRICT
Thompson	Krislynn R.	Aldine HS	Aldine	Uzoegwu	Linda	Elkins HS	Fort Bend
Barrera	Lizeth	Aldine HS	Aldine	Uzoegwu	Stella U.	Quail Valley MS	Fort Bend
Montiel	Alba B.	Aldine HS	Aldine	Sasu	Esther A.	Willowridge HS	Fort Bend
Dixon	Gloria L.	Eisenhower HS	Aldine	Seals	Chani S.	Willowridge HS	Fort Bend
Dufur	Candis M.	Hambrick MS	Aldine	Abraham	Jerry P.	Cunningham MS	Galena Park
Cheng	Elaine Y.	Hoffman MS	Aldine	Avalos	Jacob T.	Cunningham MS	Galena Park
George	Ekon A.	Hoffman MS	Aldine	Hammond	Danyelle D.	Cunningham MS	Galena Park
George	Ekon A.	Hoffman MS	Aldine	Hernandez	Melissa	Cunningham MS	Galena Park
Nicklos II	John A.	Hoffman MS	Aldine	Rodriguez	Christina M.	Cunningham MS	Galena Park
Delgado	Isaias M.	MacArthur HS	Aldine	Cantu	Manuel E.	Galena Park MS	Galena Park
Hernandez	Walter V.	MacArthur HS	Aldine	Cavazos	Ana M.	Galena Park MS	Galena Park
Mata	Monica V.	MacArthur HS	Aldine	Garza	Monica	Galena Park MS	Galena Park
Flores	Cesar	Nimitz HS	Aldine	Marroquin	Antonio	Galena Park MS	Galena Park
Goldston	Benjamin M.	Nimitz HS	Aldine	Pena	Rodolfo J.	Galena Park MS	Galena Park
Young	Travis W.	Shotwell MS	Aldine	Perrett	Diana	Galena Park MS	Galena Park
Thompson	Trenton R.	Shotwell MS	Aldine	Serna	Rene	Galena Park MS	Galena Park
Murphy	Treva A.	Shotwell MS	Aldine	Barnes	Aserine N.	Galena Park HS	Galena Park
Boone	Octavian C.	Teaque MS	Aldine	Elkins	Syreeta N.	Galena Park HS	Galena Park
Land	Taren G.	Teague MS	Aldine	Gutierrez	Jr. Gosfrey	Galena Park HS	Galena Park
Higgins	Lauren D.	Teague MS	Aldine	Murray	Leticia	Galena Park HS	Galena Park
Needham	Jennifer M.	Teague MS	Aldine	Lujan	Nelsi	North Shore HS	Galena Park
Adimora-Nweke	Ifeoma F.	Elsik HS	Alief	Hernandez	Moses J.	North Shore HS	Galena Park
Meremikwu	Kelechi	Elsik HS	Alief	Phillips	Jervale D.	North Shore HS	Galena Park
Walton	Brandi E.	Elsik HS	Alief	Mate	Jennifer M.	North Shore HS	Galena Park
Siddiqi	Fatimah S.	Elsik HS	Alief	Gutierrez	Neey	Woodland MS	Galena Park
Williams	Jason L.	Hastings HS	Alief	Martinez	Joaquin	Austin HS	Houston
Brown	Nahaysa J.	Hastings HS	Alief	McWilliams	Kimberly J.	Austin HS	Houston
Raheem	Shazia A.	Hastings HS	Alief	Odima	Lensa B.	Austin HS	Houston
Rahman	Mohammed	Hastings HS	Alief	Boudreaux	Andrea J.	Bellaire HS	Houston
Adimora-Nweke	Ernest Jr. C.	Killough MS	Alief	Davis	Jermaine C.	Bellaire HS	Houston
Brown	Kelsey N.	Olle MS	Alief	Brown	Danielle D.	Clifton MS	Houston
Siddiqi	Khadija	Olle MS	Alief	Xie	Yinada	Creekwood MS	Houston
Abdullah	Ahmed	Olle MS	Alief	Estes	Xaviera M.	DeBakey HS	Houston
Abdullah	Haider	Olle MS	Alief	Glass	Sharifa N.	DeBakey HS	Houston
Hernandez	Nathaniel D.	Channelview HS	Channelview	Barron	Maria R.	Furr Senior HS	Houston
Ragin	William A.	Clear Brook HS	Clear Creek	Chavez	Efrain A.	Gregory-Lincoln EC	Houston
Pierre	Candice E.	League City MS	Clear Creek	Mauldin	Rebecca L.	Hamilton MS	Houston
Kavthekar	Vikram B.	Arnold MS	Cypress-FB	Villa	Monica I.	Health Prof. HS	Houston
Stephens	Melanie E.	Bleyl MS	Cypress-FB	Pineda	Jose E.	Jesse H. Jones HS	Houston
Stephens	Maranda K.	Cypress Creek HS	Cypress-FB	Shorten	Jarrett M.	Johnston MS	Houston
Karkhanis	Geeta G.	Watkins MS	Cypress-FB	Gibson	Debbie N.	Kashmere HS	Houston
Karkhanis	Arjun G.	Watkins MS	Cypress-FB	Gabriel	Amy C.	Key MS	Houston
Lindsey	Patrick T.	Dulles MS	Fort Bend	Stingley	Timothy A.	Lamar HS	Houston
Lindsey	Scott A.	Dulles MS	Fort Bend	Sheffield	Kathyanne A.	Lamar HS	Houston
Boothe	Akeem	Dulles HS	Fort Bend	Smith	Jarrod B.	Lamar HS	Houston
DeLeon	Angelica	Elkins HS	Fort Bend	Hall	J'Antae D.	Lamar HS	Houston
Uzoegwu	Linda C.	Elkins HS	Fort Bend	Lee	Mary E.	Lamar MS	Houston
Liou	May-Ying M.	First Colony MS	Fort Bend	Williams	Jahred K.	Lanier MS	Houston
Hardikar	Amol A.	First Colony MS	Fort Bend	Roberts	Parker J.	Lanier MS	Houston
Minta	Kofi O.	Lake Olympia MS	Fort Bend	Farrell	Jane Y.	Law Enforcement HS	Houston
Murtuza	Fatima	Macario Garcia MS	Fort Bend	Guerrero	Julisa E.	Law Enforcement HS	Houston
Lockett	Elizabeth J.	McAuliffe MS	Fort Bend	James	Tia P.	Law Enforcement HS	Houston
Smith	Yolanda A.	McAuliffe MS	Fort Bend	Ong	Michelle A.	Long MS	Houston
Holmes	Terre L.	McAuliffe MS	Fort Bend	Gutierrez	Rebecca	Milby HS	Houston

LAST	FIRST	SCHOOL	DISTRICT
Gutierrez	Sarah	Milby HS	Houston
Miranda	Juan	Milby HS	Houston
Padilla	Melissa A.	Milby HS	Houston
Martinez	Claudia M.	Milby HS	Houston
Ovalle	Idalia	Milby HS	Houston
Martinez	Teresa D.	Milby HS	Houston
Garcia	Elizabeth H.	Pershing MS	Houston
Lewis	Levar J.	Pershing MS	Houston
Almazan	Francisco J.	Reagan HS	Houston
Salinas	Mario A.	Reagan HS	Houston
Leal	Diana J.	Reagan HS	Houston
Espitia	Gabriel	Reagan HS	Houston
Caro	William R.	Reagan HS	Houston
Glass	Jamila N.	Ryan MS	Houston
Johnson	David W.	Ryan MS	Houston
Beal	Kimberly S.	Ryan MS	Houston
Ong	JoAnn	Texas Academy	Houston
Avionn	Anjoli M.	Washington HS	Houston
Cunningham	William Jr.O.	Washington HS	Houston
Carter	Turner C.	Washington HS	Houston
Lockett	Kristan E.	Washington HS	Houston
White	James Jr. A.	Washington HS	Houston
Jones	Sharhonda	Welch MS	Houston
Mayes	Bianca L.	Worthing HS	Houston
Johnson	Roy L.	Yates HS	Houston
Duckett	Terrika E.	Mayde Creek MS	Katy
Peter	Jenna L.	Mayde Creek HS	Katy
Cumby	Christopher G.	Mc Donald HS	Katy
Reed	Annis T.	Klein MS	Klein
Stephens	Heaven C.	Klein HS	Klein
McIntyre	Ra'Mier D.	Wunderlich MS	Klein
Asberry	Danny A.	Forest Brook HS	North Forest
Alford	Alicia S.	Northwood MS	North Forest
Mayhorn	Ebony T.	Northwood MS	North Forest
Hill	Brian D.	Ralph E. Kirby HS	North Forest
Gibbs	Billie J.	Crockett HS	Out of Town
Toliver	Crystal D.	Quest HS	Out of Town
Lewis	Monique S.	Lamar MS	Out of Town
Thomas	John E.	South Houston HS	Pasadena
Brown	Amber D.	Preparatory Academy	Private
Martinez	Angela M.	Incarnate Academy	Private
Brooks	Akilah N.	St. Nicholas MS	Private
Edwards	Shate' L.	St. Pius X HS	Private
Fernandez	Jim	The Chinquapin S.	Private
Henry	Kristen C.	Village Grade	Private
Lewis	Justin L.	Westbury School	Private
McMillan	Kia R.	Twin Creeks MS	Spring
Cho	Helen H.	Memorial MS	Spring Branch
Siddiqui	Yameena	Spring Oaks MS	Spring Branch
Chang	Christopher R.	Stratford HS	Spring Branch

Appendix E

**Program Evaluations by Students in 1997 Houston PREP
PREP Parent's Survey**

1997 FIRST YEAR PREP EVALUATION QUESTIONNAIRE

Your opinion about PREP is important to us. Please **circle** the appropriate teachers and program assistant name, and the number which best expresses your rating. Feel free to make comments. Thanks for your help.

1=Low/negative

3=Medium/neutral

5=High/positive

LOGIC Who taught your class? Ms. De Vezin

Mr. Stewart

Was it useful/interesting? 1 2 3 4 5

Were the books/handouts OK? 1 2 3 4 5

How was the teacher? 1 2 3 4 5

What is your overall rating? 1 2 3 4 5

Comments? _____

COMPUTER SCIENCE Please evaluate Computer Science taught by Ms. Crawford.

Was it useful/interesting? 1 2 3 4 5

Were the books/ handouts OK? 1 2 3 4 5

How was the teacher? 1 2 3 4 5

What is your overall rating? 1 2 3 4 5

Comments? _____

ENGINEERING Please evaluate Engineering taught by Ms. Toliver.

Was it useful interesting ? 1 2 3 4 5

Were the books/ handouts OK? 1 2 3 4 5

How was the teacher? 1 2 3 4 5

What is your overall rating? 1 2 3 4 5

Comments? _____

PROBLEM-SOLVING Who taught your class? Ms. De Vezin Mr. Stewart

Was it useful interesting? 1 2 3 4 5

Were the books/ handouts OK? 1 2 3 4 5

How was the teacher? 1 2 3 4 5

What is your overall rating ? 1 2 3 4 5

Comments? _____

PROGRAM ASSISTANT.	Who was your program assistant?				
	Rosa	Clinton	Randy	Veronica	
Did she/he help in class?	1	2	3	4	5
Did she/he help outside class?	1	2	3	4	5
What is your overall rating?	1	2	3	4	5

Comments? _____

OTHER Please evaluate other aspects of the program.

Computer labs?	1	2	3	4	5
Student activity period?	1	2	3	4	5
Engineering experiments?	1	2	3	4	5
Speakers?	1	2	3	4	5
Trips?	1	2	3	4	5
Food?	1	2	3	4	5

Comments? _____

LAST QUESTIONS. Would you recommend a friend to take PREP?

What did your parents/guardians think about PREP?

Do you think that participation in PREP will help you in college or career?

How?

What are your plans for the future?

What did you like most about PREP?

What did you dislike most about PREP?

Do you plan to return PREP next year?

1997 SECOND YEAR PREP EVALUATION QUESTIONNAIRE

Your opinion about PREP is important to us. Please circle the appropriate teachers and program assistant name, and the number which best expresses your rating. Feel free to make comments. Thanks for your help.

1=Low/negative 3=Medium/neutral 5=High/positive

PHYSICS Please evaluate Physics taught by Mr. Rehman

Was it useful/interesting? 1 2 3 4 5

Were the books/handouts OK? 1 2 3 4 5

How was the teacher? 1 2 3 4 5

What is your overall rating? 1 2 3 4 5

Comments? _____

COMPUTER SCIENCE Please evaluate Computer Science taught by Mr. Shankin.

Was it useful/interesting? 1 2 3 4 5

Were the books/ handouts OK? 1 2 3 4 5

How was the teacher? 1 2 3 4 5

What is your overall rating? 1 2 3 4 5

Comments? _____

ALGEBRAIC STRUCTURE Please evaluate Algebraic Structure taught by Ms. Nakamura.

Was it useful/interesting ? 1 2 3 4 5

Were the books/ handouts OK? 1 2 3 4 5

How was the teacher? 1 2 3 4 5

What is your overall rating? 1 2 3 4 5

Comments? _____

ENGINEERING Please evaluate Engineering taught by Ms. Toliver.

Was it useful/interesting? 1 2 3 4 5

Were the books/ handouts OK? 1 2 3 4 5

How was the teacher? 1 2 3 4 5

What is your overall rating ? 1 2 3 4 5

Comments? _____

PROGRAM ASSISTANT. Who was your program assistant?

Juan Olivia

Did she/he help in class? 1 2 3 4 5

Did she/he help outside class? 1 2 3 4 5

What is your overall rating? 1 2 3 4 5

Comments? _____

OTHER Please evaluate other aspects of the program.

Computer labs? 1 2 3 4 5

Student activity period? 1 2 3 4 5

Engineering experiments? 1 2 3 4 5

Speakers? 1 2 3 4 5

Trips? 1 2 3 4 5

Food? 1 2 3 4 5

Comments? _____

LAST QUESTIONS. Would you recommend a friend to take PREP?

What did your parents/guardians think about PREP?

Do you think that participation in PREP will help you in college or career?

How?

What are your plans for the future?

What did you like most about PREP?

What did you dislike most about PREP?

Do you plan to return PREP next year?

1997 THIRD YEAR PREP EVALUATION QUESTIONNAIRE

Your opinion about PREP is important to us. Please circle the appropriate teachers and program assistant name, and the number which best expresses your rating. Feel free to make comments. Thanks for your help.

1=Low/negative 3=Medium/neutral 5=High/positive

SAT Please evaluate SAT class taught by Mr. Yash Gad.

Was it useful/interesting? 1 2 3 4 5

Were the books/handouts OK? 1 2 3 4 5

How was the teacher? 1 2 3 4 5

What is your overall rating? 1 2 3 4 5

Comments? _____

PROBLEM SOLVING Please evaluate Problem Solving taught by Ms. Nakamura.

Was it useful/interesting? 1 2 3 4 5

Were the books/ handouts OK? 1 2 3 4 5

How was the teacher? 1 2 3 4 5

What is your overall rating? 1 2 3 4 5

Comments? _____

PROBABILITY & STATISTICS Please evaluate Probability & Statistics taught by Mr. Shankin.

Was it useful/interesting ? 1 2 3 4 5

Were the books/ handouts OK? 1 2 3 4 5

How was the teacher? 1 2 3 4 5

What is your overall rating? 1 2 3 4 5

Comments? _____

PHYSICS Please evaluate Physics taught by Mr. Rehman.

Was it useful interesting ? 1 2 3 4 5

Were the books/ handouts OK? 1 2 3 4 5

How was the teacher? 1 2 3 4 5

What is your overall rating? 1 2 3 4 5

Comments? _____

PROGRAM ASSISTANT. Who was your program assistant?
Jesus/Armando Olga

Did she/he help in class? 1 2 3 4 5

Did she/he help outside class? 1 2 3 4 5

What is your overall rating? 1 2 3 4 5

Comments? _____

OTHER Please evaluate other aspects of the program.

Computer labs? 1 2 3 4 5

Student activity period? 1 2 3 4 5

Engineering experiments? 1 2 3 4 5

Speakers? 1 2 3 4 5

Trips? 1 2 3 4 5

Food? 1 2 3 4 5

Comments? _____

LAST QUESTIONS. Would you recommend a friend to take PREP?

What did your parents/guardians think about PREP?

Do you think that participation in PREP will help you in college or career?

How?

What are your plans for the future?

What did you like most about PREP?

What did you dislike most about PREP?

Do you plan to return PREP next year?

1997 FOURTH YEAR PREP EVALUATION QUESTIONNAIRE

Your opinion about PREP is important to us. Please circle the appropriate teachers and program assistant name, and the number which best expresses your rating. Feel free to make comments. Thanks for your help.

1=Low/negative

3=Medium/neutral

5=High/positive

COMPUTER SCIENCE

Please evaluate Computer Science taught by Mr. Obinna Ilochonwu.

Was it useful/interesting?

1 2 3 4 5

Were the books/handouts OK?

1 2 3 4 5

How was the teacher?

1 2 3 4 5

What is your overall rating?

1 2 3 4 5

Comments? _____

BIOLOGY AND CALCULUS

Please evaluate biology and calculus taught by Mr. Yash Gad.

Was it useful/interesting?

1 2 3 4 5

Were the books/ handouts OK?

1 2 3 4 5

How was the teacher?

1 2 3 4 5

What is your overall rating?

1 2 3 4 5

Comments? _____

PHYSICS

Please evaluate Physics taught by Mr. Rehman.

Was it useful interesting ?

1 2 3 4 5

Were the books/ handouts OK?

1 2 3 4 5

How was the teacher?

1 2 3 4 5

What is your overall rating?

1 2 3 4 5

Comments? _____

PROGRAM ASSISTANT

Please evaluate your Program Assistant Obinna.

Did she he help in class?

1 2 3 4 5

Did she he help outside class?

1 2 3 4 5

What is your overall rating? 1 2 3 4 5

Comments? _____

OTHER Please evaluate other aspects of the program.

Computer labs? 1 2 3 4 5

Student activity period? 1 2 3 4 5

Engineering experiments? 1 2 3 4 5

Speakers? 1 2 3 4 5

Trips? 1 2 3 4 5

Food? 1 2 3 4 5

Comments? _____

LAST QUESTIONS. Would you recommend a friend to take PREP?

What did your parents/guardians think about PREP?

Do you think that participation in PREP will help you in college or career?
How?

What are your plans for the future?

What did you like most about PREP?

What did you dislike most about PREP?

Do you plan to return PREP next year?

PREP PARENT'S SURVEY

We would appreciate your opinion on the following aspects of PREP. Please respond to the following statements using the following scale:

SA= STRONGLY AGREE

A= AGREE

D= DISAGREE

SD= STRONGLY DISAGREE

Thank you.

Average

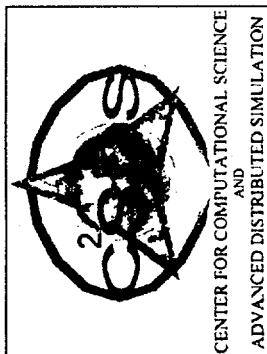
1. This program has been an intellectual challenge for my child.	SA A D SD	3.75
2. The program reinforced my child's math preparation skills.	SA A D SD	3.58
3. This program has improved my child's problem solving skills.	SA A D SD	3.54
4. This program has made my child more knowledgeable about mathematics-based professions.	SA A D SD	3.58
5. This programs reinforced my child's desire to study engineering, science or mathematics.	SA A D SD	3.58
6. PREP has helped my child become more organized and responsible academically.	SA A D SD	3.96
7. During the program, child was able to complete and submit all of his/her assignments on time.	SA A D SD	3.57
8. My child has a better understanding of what is required of college students.	SA A D SD	3.71
9. The guest speakers in the program made my child realize the importance of education.	SA A D SD	3.43
10. The field trips in the program were of a great benefit to my child.	SA A D SD	3.17
11. The program instructors taught the course material well.	SA A D SD	3.38
12. The program instructors were knowledgeable of the material taught.	SA A D SD	3.54
13. The program instructors were available for tutoring.	SA A D SD	3.21
14. The program assistants were helpful in tutoring my child.	SA A D SD	3.35
15. The program assistants were helpful in informing me of my child's progress.	SA A D SD	2.91
16. The program assistants were positive role models for my child.	SA A D SD	3.30
17. The PREP Office staff was always available to answer my questions and respond to my concerns during the summer.	SA A D SD	3.46

18. The PREP director effectively communicated with me during the summer.	SA A D SD	3.08
19. Transportation to/from the PREP site was a problem for my child during the summer.	SA A D SD	1.71
20. The lunch arrangements during the summer were satisfactory.	SA A D SD	3.09
21. The PREP Students Handbook was informative on PREP policies and procedures.	SA A D SD	3.76
22. I agree with the program's absentee policy.	SA A D SD	3.33
23. I agree with the program rules and procedures.	SA A D SD	3.58
24. The application procedure for the program were satisfactory.	SA A D SD	3.5
25. I believe the selection criteria is fair and equitable.	SA A D SD	3.54
26. The parent orientation were informative.	SA A D SD	3.33
27. PREP lived up to my expectations.	SA A D SD	3.54
28. The chances of my child applying for PREP next year are very high.	SA A D SD	3.52
29. PREP improved my child's study skills.	SA A D SD	3.54
30. I would recommend this program to other parents.	SA A D SD	3.79
31. I would be interested in joining a parent's group in support of PREP.	SA A D SD	3.29
32. My child was a participant at _____		
33. Comments/suggestions/advice. (Optional)		

Appendix F

Closing Day Ceremonies
1997 Sample Certificate of Achievement

PROGRAM



CLOSING DAY CEREMONIES

1997 Houston PREP

Center for Computational Science
and Advanced Distributed Simulation

a unit of the
Advanced Distributive Simulation Research Consortium
of the U.S. Army Research Office

University of Houston - Downtown

One Main Street
Houston, Texas 77002

Friday, July 25, 1997
at nine - thirty in the morning
Furr High School Auditorium
520 Mercury Drive
Houston, TX
(713) 649-6000

Welcome and Opening Remarks

Mrs. Sangeeta Gad, Program Coordinator
Houston PREP 1997

Recognition of Sponsors

Recognition of Faculty, Staff, and Special Guests
Dr. Richard A. Aló, Director, Houston PREP

Recognition of Successful PREP Scholars

Presentation of Diplomas
Dr. Richard A. Aló and Program Assistants

Presentation of Special Awards

Program Assistants and Instructors

Closing Remarks

Mrs. Sangeeta Gad

Refreshments

On behalf of the Center for Computational Science and Advanced Distributed Simulation, the University of Houston-Downtown, and the university community, sincere appreciation is extended to parents and relatives, students, faculty and staff, and friends for their attendance at the Closing Ceremonies of the 1997 Houston PREP Program.

Houston PREP

Center for Computational Science and Advanced Distributed Simulation

Certificate of Achievement

Student's Name

*for successfully completing the First Year of
the 1997 Houston PREP program*

twenty-fifth *July* *97*

Mrs. Sangeeta Gad

*Program Coordinator, 1997 Houston PREP
Executive Director, Center for Computational
Science and Advanced Distributed Simulation*

*Dr. Richard A. Al6
Program Director, 1997 Houston PREP
Executive Director, Center for Computational
Science and Advanced Distributed Simulation*