



CENTER FOR COMPUTATIONAL SCIENCES



HOUSTON PREFRESHMAN ENRICHMENT PROGRAM (HOUSTON PREP) June 8 – July 17, 2009

WHAT? PREP is an intensive mathematics-based pre-college 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 six 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 are the following:

- Applicants must have successfully completed the 7th, 8th, or 9th grade prior to entering the First Year of PREP.
- All 8th and 9th grade applicants must have a "B" or better overall average in their academic courses during the 2008-2009 school year at the time of application. All seventh grade applicants must have an "A" average.
- Applicants must have satisfactory conduct grades throughout the academic year.
- Houston PREP is a four-year educational program. Only students who have successfully completed the First Year are eligible for the Second Year Program. Promotion requires completion of the previous year(s). No years may be skipped.

WHEN?

- Monday – Friday: **June 8 – July 17**
- Program hours are scheduled to run from 8:30 a.m. to 2:30 p.m.

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

WHERE? Busing from the Aldine, Galena Park, Sheldon, Spring, Spring Branch and Houston Independent School Districts have been provided in the past and will be requested for PREP 2009

COST? There is no tuition or fees to attend PREP.

WHAT DO I GET?

- Problem Solving Skills
- Career Exploration
- Academic and Career Counseling
- Exposure to Advanced Technology
- New Friends
- Educational Fieldtrips
- College Setting Experience
- Valuable Preparation in Mathematics

WHAT WILL I DO?

“Hands-on” and “mind-on” work in:

- | <u>1st Year</u> | <u>2nd Year</u> | <u>3rd Year</u> | <u>4th Year</u> |
|--------------------|-------------------|---------------------|---------------------------|
| ▪ Engineering | ▪ Engineering | ▪ Statistics | ▪ UHD Dual Credit classes |
| ▪ Logic | ▪ Physics | ▪ Technical Writing | ▪ Computer Science |
| ▪ Problem Solving | ▪ Linear Algebra | ▪ SAT Preparatory | ▪ Sociology |
| ▪ Computer Science | ▪ Problem Solving | ▪ Computer Science | ▪ College Success Program |

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 250 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 in SEALED envelopes: one from your Mathematics teacher and one from your Science teacher, English teacher or Counselor. (Required of 1st year applicants.)
- Mail entire application form with all other documentation required to:

Houston PREP
One Main Street, Suite 722-South
Houston, Texas 77002.

BY WHEN?

- Applications must be received no later than March 27, 2009.
- Late applications will be accepted 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 (713) 221-8686. Further information may be obtained via Internet (<http://www.uhd.edu/prep>).



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 250-word essay clearly and **in your own words**.
 - You may use an additional page, if necessary.

- GRADE REPORT:
- Attach a copy (must be readable) of your latest 2008-2009 grade report.

- 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 received on or before March 27, 2009.
Mail the entire application packet to:**

**Houston PREP
One Main Street, Suite 722-South
Houston, Texas 77002**

PART 4 - TO BE COMPLETED BY APPLICANT

A. WRITE A 250 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 teachers, if necessary):

MATHEMATICS:

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

COMPUTER SCIENCE:

BASIC C JAVA SCRIPT
 PASCAL C++ VISUAL BASIC
 TURBO PASCAL HTML OTHER: _____

C. ATTACH A COPY OF YOUR LATEST 2008-2009 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
One Main Street, Suite 722-South
Houston, Texas 77002.**

HOUSTON PREFRESHMAN ENRICHMENT PROGRAM (HOUSTON PREP)

June 8 – July 17, 2009

MATHEMATICS TEACHER NOMINATION FORM

1ST YEAR PREP APPLICATION

DEADLINE: RECEIVED ON OR BEFORE March 27, 2009

DIRECTIONS: All parts of the application must be completed otherwise, 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.

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 SEVEN-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 ENCLOSE YOU EVALUATION IN A SEALED ENVELOPE.

TEACHER'S PRINTED NAME AND TITLE _____

TELEPHONE NUMBER _____

TEACHER'S SIGNATURE _____

DATE _____

HOUSTON PREFRESHMAN ENRICHMENT PROGRAM (HOUSTON PREP)

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OTHER SCHOOL OFFICIAL NOMINATION FORM

1ST YEAR PREP APPLICATION

DEADLINE: RECEIVED ON OR BEFORE March 27, 2009

DIRECTIONS: All parts of the application must be completed otherwise, 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.

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 SEVEN-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				
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MATURITY				
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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 ENCLOSE YOUR EVALUATION IN A SEALED ENVELOPE.

TEACHER'S PRINTED NAME AND TITLE

TELEPHONE NUMBER

TEACHER'S SIGNATURE

DATE