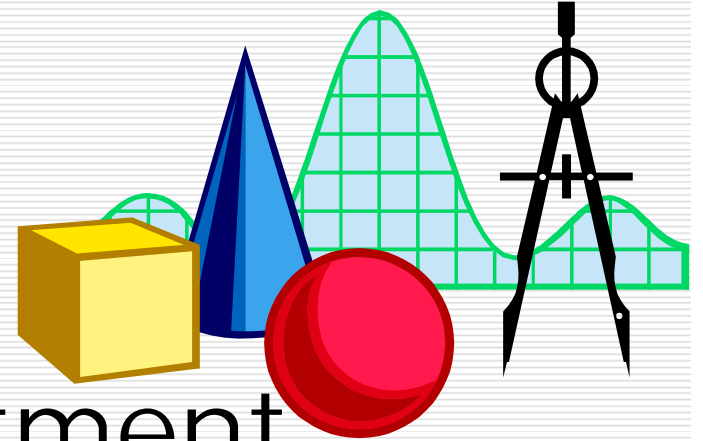
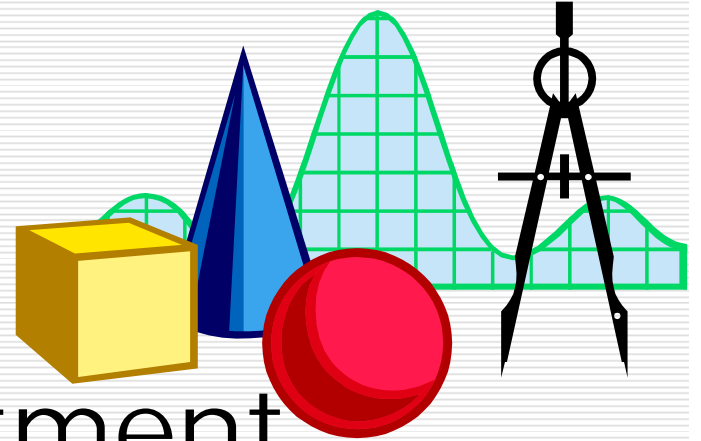


The DeBakey HSHP Mathematics Department



The DeBakey HSHP Mathematics Department



Our Mission:

To prepare each student to succeed in AP-Calculus. (AP Calculus is a challenging, college-level course which requires hard work and dedication for success.)

4-year Math Curriculum Sequence

- ❑ 9th Grade: Geometry (M) / Pre AP
(Algebra I (M) for those who need it)
 - ❑ 10th Grade: Algebra II (M) / PreAP
 - ❑ 11th Grade: Precalculus (M) / PreAP
 - ❑ 12th Grade: AP Calculus AB / AP
Calculus BC
 - ❑ AP Statistics can be taken at 11th or
12th Grade. Right now it is offered
after school on Mon, Tue, and
Thursday from 3:25 p.m. to 4:25p.m.
-

Faculty

| Name | Subjects | Email |
|---------------------------------------|---|-------------------------|
| Mr. Karl Hoeffner Lead Instructor. | Algebra II (PreAP/M), and Precalculus (PreAP) | khoeffne@houstonisd.org |
| Mr. Anil Desai Lead Instructor. | AP Calculus AB, AP Calculus BC, and AP Statistics | adesai1@houstonisd.org |
| Ms. Patricia Winkler | Algebra I (M), Algebra II (M), Web Mastering | pwinkler@houstonisd.org |
| Dr. Yuxia Zhang | Geometry (M), Precalculus (M), and AP Calculus AB | yzhang@houstonisd.org |
| Mr. David Stigant | Geometry (M), Algebra II (M), Precalculus (M), and SAT Prep. | dstigant@houstonisd.org |
| Ms. Xin Liu | Geometry (M), Algebra II (M), and Geometry (PreAP) | xliu@houstonisd.org |
| Ms. Goretti Nguyen | Precalculus (M), AP Calculus AB | gnguyen@houstonisd.org |
| Dr. Fred Mandel | Algebra I (M), Geometry (M), and IPC (M) | fmandel@houstonisd.org |

Conference Time is 8:35 a.m. to 10:00 a.m (A Days) Telephone:713-741-2410



AP Standards Tighten

- ❑ The number of schools offering AP classes has jumped 36% over past decade
 - ❑ There have been more complaints from students and admissions officers that the content and rigor of AP courses can vary widely from one high school to the next
 - ❑ Starting with course offerings in the 2007-08 school year, high schools teaching AP classes will need authorization from the College Board.
-



DHSHP Standards Tighten

- More tightly focused curriculum with a lead teacher in each content area.
 - Integration of more challenging AP-style problems into the curriculum and into the assessments.
 - Less reliance on calculators.
 - Close collaboration on quizzes and unit exams through common conference/ planning period.
 - Departmental final exams and common assessments for each cycle
-



DHSHP Standards Tighten

- ❑ Tests : 50 %, Quizzes : 40 %, and Homework: 10 %. *
- ❑ Typically 2 – 3 tests, 3 - 4 quizzes are given every cycle.
- ❑ Projects may be assigned and they may be equivalent to a test grade or a quiz grade depending upon the type and extent of the project.
- ❑ Tests and quizzes are graded and returned to the students normally during the next class.

* All courses beginning Spring, 2007



DHSHP Standards Tighten

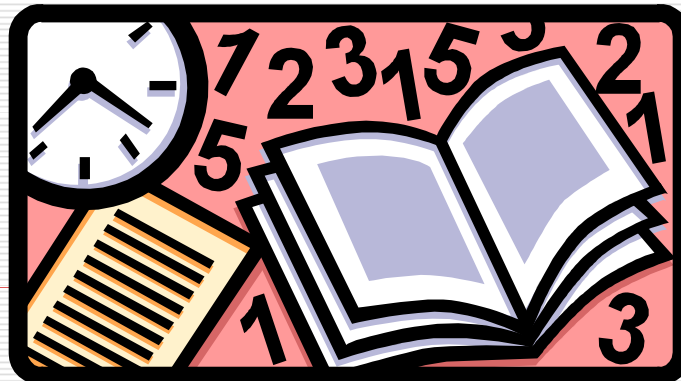
- Homework questions are reviewed/answered before starting a new lesson. Students are encouraged to do homework sincerely and regularly and be prepared to ask questions during homework review.
- Tentative schedule of lessons and assessments during the whole cycle is given to the students so that they can plan their study time effectively. *
- Progress report is issued after the third week of the cycle. Parents are requested to monitor the progress of their child through quizzes and tests which are returned to the students.

* All courses beginning Spring, 2007



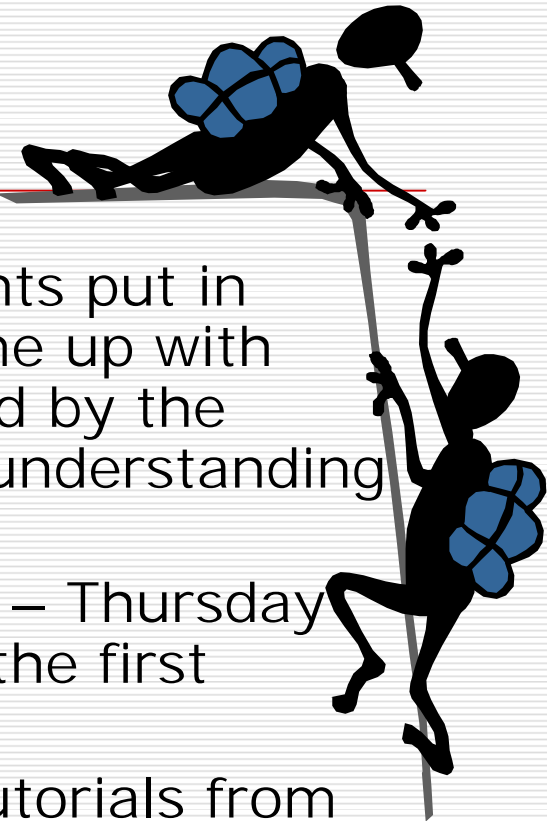
Summer Practice

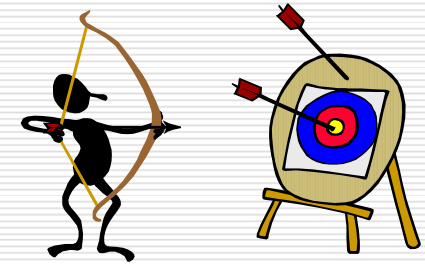
- Practice questions will be available on the DeBakey HSHP website at the end of the school year for students to use to practice math skills throughout the summer.
- <http://debakeyhs.info>



Tutorials/Extra Help

- Note: Tutoring is effective only if students put in efforts to work on the problems and come up with specific questions which can be answered by the teacher to facilitate better learning and understanding of the concepts.
- Title I tutorial program meets Monday – Thursday from 3:25 p.m. – 4:25 p.m. (except on the first Wednesday of the month)
- At risk students are placed in morning tutorials from 8:00 a.m. to 8:30 a.m., Monday through Thursday.
- Each teacher offers tutorials at other times as well.
 - Some before school from 7:15 a.m. to 7:45 a.m., by prior appointment
 - Some offer extra help during lunch by prior appointments.

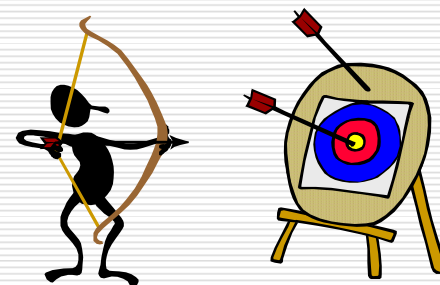




AP Math Results

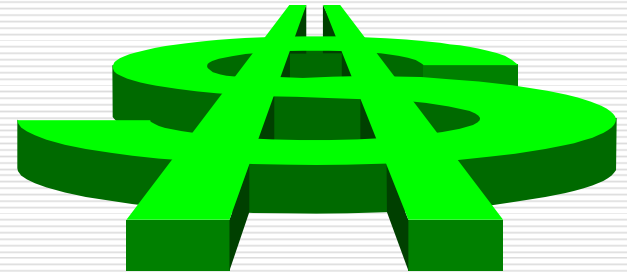
- ❑ Last year our students did very well in AP Calculus AB, AP Calculus BC, and AP Statistics.
 - ❑ Enrollment for these tests was considerably increased from previous years.
 - ❑ Extra coaching will be provided every week on Wednesdays starting from the second week of February 2007 in Mr. Desai's room to prepare for AP tests. Practice and Review sessions will be offered on Saturday before the AP test.
-

AP Math Results



| Score | Number of students | | | | | |
|-----------------------|--------------------|-------------|----------------|--------------|---------------|--------------|
| | AP Calculus AB | | AP Calculus BC | | AP Statistics | |
| | 2005 | 2006 | 2005 | 2006 | 2005 | 2006 |
| 5 | 2 | 11 | 3 | 4 | 0 | 2 |
| 4 | 7 | 28 | 2 | 3 | 1 | 7 |
| 3 | 4 | 30 | 4 | 4 | 3 | 6 |
| 2 | 7 | 19 | 1 | 1 | 2 | 2 |
| 1 | 7 | 6 | 0 | 0 | 0 | 1 |
| Total # tested | 27 | 94 | 10 | 12 | 6 | 18 |
| % Passed | 48.19 | 73.4 | 90 | 91.67 | 66.67 | 83.33 |

AP Incentive Program



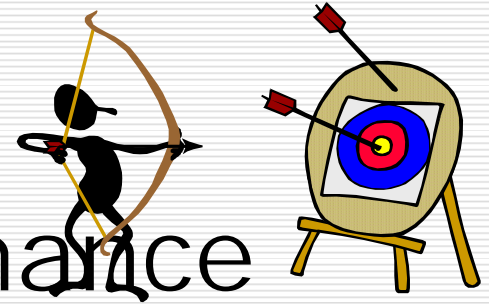
- ❑ Helps defray student cost of sitting for the AP exam.
 - ❑ Students paid \$12. PTA paid \$40.
 - ❑ To qualify, students had to attend 10 preparation sessions outside of class.
 - ❑ We would like the PTA to consider sponsoring the program again this year.
-

Laying The Foundation End of Course Test Results for PreAP

- In Geometry, Algebra II, and PreCalculus, DeBakey HSHP students ranked #1 out of the approximately 85 participating schools across the state.
-

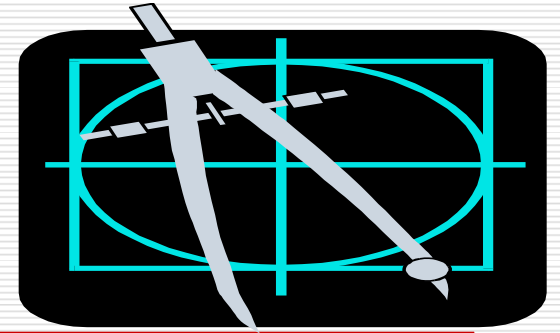
Math TAKS data

Commended Performance



- ❑ For the first time, all grade levels achieved an average scale score above the commended level
- ❑ Percent commended for all students tested in grades 9-11

| | |
|------|-------|
| 2003 | 39.3% |
| 2004 | 52.8% |
| 2005 | 57.9% |
| 2006 | 59.1% |



Math Club

- ❑ Prepare students for various local Academic Completions.
 - ❑ Next Academic contest will be at University of Houston on February 17, 2007.
 - ❑ UIL contests for Number Sense, Calculator Applications, and Mathematics will be held in March 2007. Four students will be selected to represent the school in each of those events based on a school wide selection test during the last week of January 2007.
 - ❑ A CD containing challenging problems from various Math contests is available for all members of the Math Club.
 - ❑ Math club members can help in tutoring during morning or after school tutorials and earn volunteer hours for community service.
 - ❑ See Mr. Desai if you have any questions.
-

Questions/Comments

