

**TUCSON HIGH
MAGNET SCHOOL**

400 2nd Street
Tucson , AZ 85705

THMS Mission

Statement:

Tucson High Magnet School exists to provide high quality instruction in all curricular areas; foster understanding of the world through the arts, sciences, mathematics and humanities; and develop good citizens so that students demonstrate academic and intercultural proficiency as well as career preparedness.

THMS Vision:

Tucson High Magnet School is a learning community in which student success is the priority of all endeavors.

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Badger Beat

Tucson Unified School District

December 2007

AIMS Update

Sharon Ingram AIMS Update/ AP Coordinator

There are important changes to the High Honors Tuition Waiver

The High Honors Tuition Waiver is a full state tuition waiver given to students who “Exceed” two or more portions of the AIMS exam as well as have grades of Bs or better in their Core Classes. This waiver is renewable for an additional three years based upon meeting University established criteria. The State of Arizona has implemented new criteria for students who are interested in retaking the AIMS test to try and “Exceed.”

Significant Changes:

Beginning with the class of 2009, Seniors will NOT be allowed to re-test to try for an “Exceed.” Only the Sophomore and Junior year test scores will be considered for determining eligibility for a waiver. That means a student only has **three chances** to try and “Exceed.”

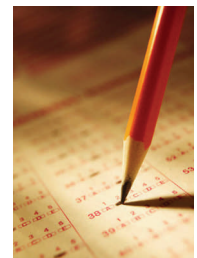
If you are a current Junior, your **last chance** to retake the AIMS test for a higher score will be in the Spring of 2008 (February 26 and 27 for Writing and Reading and April 8 for Math). If you have questions about this please contact your guidance counselor at 225-5125. You can also visit <http://www.ade.az.gov/asd/tuitionwaiver> for answers to the most frequently asked questions regarding this scholarship opportunity.


Students can sign up to retake AIMS in the Spring. Students that are interested should contact Sharon Ingram at 225-5399 for more information.

AIMS dates to Remember:

February 26: AIMS Writing
February 27: AIMS Reading
April 8: AIMS Math


⇒ Fall AIMS test scores should be available
⇒ the week of December 17*





**Have a safe and wonderful
Winter Vacation!**

Second semester starts on January 7, 2008



Winners of College of Engineering Design Challenge Announced by Tucson High Magnet School Today

Computerized race car designs by Kyle Morgan, Alex Kline and Gilbert Sandoval were selected by Ray Umashankar, Assistant Dean of the University of Arizona College of Engineering to be printed using the College's three dimensional printer. The three students are sophomores in Marea Jenness' Engineering Tech Lab class at Tucson High Magnet School.

Umashankar proposed the design challenge during a visit of Jenness' class to the College of Engineering earlier in the fall. The race cars were designed by the students using SolidWorks – the same computer design program used by many engineers working in the industry. They were printed using the College's Z-Corp three dimensional printer, an ink-jet based process that prints the parts cross sectional geometry on layers of powder spread on top of each other.

"It was a great way to inspire students to do their best – to challenge them to design a race car with the promise that if their design was selected they would get back an actual model that they could hold in their hands!" said Pre-Engineering teacher Marea Jenness. According to College of Engineering Senior Ralph Foree, who printed the three race cars, "After I put them in one computer file and sent them to the printer, they took about two hours to print."

Students begin learning SolidWorks in Jenness' Exploring Engineering class, the first year in a three year sequence of Pre-Engineering classes at Tucson High. The second year they use SolidWorks to design aerodynamic race cars which they can test in the program's computer wind tunnel to fine tune their designs.

"It is a learning curve for everyone – including me!" said Jenness who plans to become certified in SolidWorks over the summer. "Next year we will be using SolidWorks to help us design 15-pound BattleBots that we will fight in statewide competitions sponsored by the Arizona Tooling and Machine Association. This year we designed our BattleBots on paper and I think all of us could see that improving our SolidWorks skills so that we could generate blueprints from the computer program would have been better."

Four teams of students from Tucson High will be fighting their combat BattleBots – armed with circular saws, lawn mower blades, steel beaters and flippers – at the February 15, 2007 competition in Phoenix during the annual "Arizona Celebrates Manufacturing" event. For more information, see www.azbbiq.org.



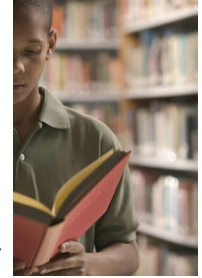
During the new third year class in the sequence, which will be offered next year for the first time, students can choose to lead teams of younger students building BattleBots or take the "Infinity Project" class. Each section of The Infinity Project curriculum is designed to help students understand how engineers think and, even more important, what they do to turn theories into reality. Students will use simple-but-effective lab experiments and highly graphic computer software tools to perform engineering design and experimentation on high-tech topics including the Internet, wireless communications, digital imaging, and music and audio processing. The class is supported by the University of Arizona College of Engineering as a way for high school students to jumpstart a college education in engineering.

Library News

Amy Rusk *Librarian*

The philosophical debate over immigration and English-only laws continue to polarize the nation, but national library organizations, such as the American Library Association affiliate, REFORMA, maintain a commitment to promoting library services to Latino immigrants and Spanish-speaking patrons.

The Tucson High Library houses a significant collection of books in Spanish and multiple dictionaries of the languages spoken by immigrant and refugee populations in the district. Spanish fiction is shelved separately for patron convenience, and non-fiction books are interfiled to increase access and relevance. Furthermore, the library subscribes to *Informe*, an online database that provides full-text articles from Spanish-language magazines that address multiple disciplines. It, as well as Spanish-language newspapers, *El imparcial*, *laVoz* and *La opinión*, may be accessed from the library homepage at <http://edweb.tusd.k12.az.us/tucsonhighlibrary/>.



Article V of the American Library Association’s Library Bill of Rights reads, “A person’s right to use the library should not be denied or abridged because of origin, age, background or views.” Debate over providing or restricting multilingual library access also occurred during the immigrant influx of the late 19th and early 20th centuries. Much of the library literature from that period encouraged the active acquisition of foreign-language materials to serve immigrant populations – “an astoundingly progressive mentality given the preoccupation over ‘Americanization’” (Quesada, *American Libraries*, November 2007, 42). Research shows that academic literacy in ones native language transfers to literacy in a second language (Ordóñez et. al, *Journal of Educational Psychology*, 94:4, 719-28, 2002)

Above all, libraries exist to protect the individual’s right to read, as well as the right to public information.

Magnet Moments

Lourdes Rios *Magnet Coordinator*

Magnet Endorsement Information

Tucson High Magnet offers students the opportunity to obtain a magnet endorsement in the areas of Math, Science, Visual or Performing Arts. An endorsement is a certification earned upon graduation that certifies that a student has completed a specialized course of study above and beyond the normal high school requirements.

Eligible students will also receive special recognition during graduation as well as a Seal of Endorsement on their high school diploma and permanent transcript. This is also an excellent opportunity to enhance both scholarship opportunities and job placement for eligible students. The endorsement program sets a student apart from other high school students because it clearly demonstrates a student’s ability to focus and a student’s dedication to excellence.

Students may begin their Magnet Endorsement Program in their freshman year. Applications may be obtained in the Magnet Office room # M-134. Requirements for each Endorsement area are listed on the next page.



Magnet Moments (cont.)

Please note that Magnet Endorsement requirements are in addition to the requirements for high school graduation.

STUDENTS MUST GRADUATE WITH A 3.00 G. P.A.

<p style="text-align: center;">Visual Arts Endorsement Department Chair: Sheryl Oden (T205)</p> <ul style="list-style-type: none"> ⇒ 6 units in Arts with 4 units from Visual and 2 units from Visual or Performing (Three of these units must be above level I/II) ⇒ One of the following: <ul style="list-style-type: none"> • AP Art History • AP Music Theory • AP Studio Art • Pima College Duel Credit Arts course • Internship in Arts ⇒ Senior Project ⇒ Showcase Portfolio which includes: <ul style="list-style-type: none"> • Senior Project • Documentation of internship, if applicable • Written piece reflective of endorsement experience, 500 words, double spaced • Resume 	<p style="text-align: center;">Performing Arts Endorsement Department Chair: Sheryl Oden (T205)</p> <ul style="list-style-type: none"> ⇒ 6 units in Arts with 4 units from Performing and 2 units from Visual or Performing (Three of these units must be above level I/II) ⇒ One of the following: <ul style="list-style-type: none"> • AP Art History • AP Music Theory • AP Studio Art • Dance History, Choreography and Improvisation V, VI • Pima College Duel Credit Arts course • Internship in Arts ⇒ Senior Project ⇒ Showcase Portfolio which includes: <ul style="list-style-type: none"> • Senior Project • Documentation of internship, if applicable • Written piece reflective of endorsement experience, 500 words, double spaced • Resume
<p style="text-align: center;">Mathematics Endorsement Department Chair: John Willy (T379)</p> <ul style="list-style-type: none"> ⇒ 4 years of Mathematics including Advanced Placement Calculus ⇒ 3.25 GPA average or better for all mathematics course ⇒ Participation in at least 3 mathematics contest exams (AATM and/or AMC) ⇒ Submit at least one mathematics project to the annual Mathematics/Science Fair (SARSEF) ⇒ Showcase Portfolio which includes: <ul style="list-style-type: none"> • Senior Project • Documentation of internship, if applicable • Written piece reflective of endorsement experience, 500 words, double spaced • Resume 	<p style="text-align: center;">Technology Endorsement Department Chair: Louann Costa(V101)</p> <ul style="list-style-type: none"> ⇒ 4 units in a Technology sequence ⇒ 4 units in Mathematics ⇒ 3 units in Science ⇒ One of the following: <ul style="list-style-type: none"> • Advanced Placement Technology Course • Pima College Concurrent Credit in Technology • Internship in Technology area ⇒ Successful completion of 4-year exit exam Example: Auto-NATAF Certification CISCO-CCNA Test ⇒ Research project ⇒ Showcase Portfolio which includes: <ul style="list-style-type: none"> • Research project • Documentation of internship, if applicable • Written piece reflective of endorsement experience, 500 words, double spaced. • Resume
<p style="text-align: center;">Science Endorsement Department Chair: Gayle Brickert-Albrecht (T258)</p> <ul style="list-style-type: none"> ⇒ 4 units in Science ⇒ 4 units in Mathematics ⇒ 2 units in Technology ⇒ Two of the following: <ul style="list-style-type: none"> • Advanced Placement Science or Mathematics course • Pima College Concurrent Credit Science course • Internship in Science area ⇒ Research project ⇒ Showcase Portfolio which includes: <ul style="list-style-type: none"> • Research project • Documentation of internship, if applicable • Written piece reflective of endorsement experience, 500 words, double spaced • Resume 	<p>If your child is interested in obtaining an Endorsement, or if you have any further questions regarding the endorsement process, please contact Lourdes Rios, Magnet Coordinator at 225-5465. Applications must be submitted through the THMS Magnet office.</p>

Post Secondary Information

POST-SECONDARY RESOURCE CENTERS

Website: <http://edweb.tusd.k12.az.us/thms/psrc/>

Counselors: Dr. M. Ostroff, Post-Secondary Counselor -M141

Ms. K. Wilsey, Post-Secondary Counselor -V121

Career Connections

Karen Wilsey *Post-Secondary Counselor*

This has been a very exciting quarter in the Post Secondary Resource Center – V121. We have had several **career presentations** to include: Cindy Brainer, Manager of Vantage Bank, Chef Moussa from Skyline Country Club, Mike Boggs from ITT Technical Institute, and there will be an upcoming presentation on the Criminal Justice/Crime Scene Investigation program at ITT Technical Institute.

Job Shadowing is a great way for students to explore a possible future career. Please visit the Career Connections website at <http://edweb.tusd.k12.az.us/thms/psrc/careerconnections/> to become involved. Parents should encourage their student to experience first hand what a typical work day is like in a career they are considering for their future. If you as a parent can offer your site to potential students to job shadow, please contact me. We select students very carefully to shadow and ALWAYS ask for your prior permission. Please email me at karen.wilsey@tusd1.org or call me at 225-5102 if you can help out!

Pima Community College offers a wide variety of programs from certificated to degree programs. Tucson High will be providing transportation several times a quarter to take students over to Pima to take the assessment tests necessary to become enrolled at Pima. Students can earn Pima College credit for many classes at Tucson High if they have been accepted at Pima. The remaining date for the Pima visit is December 12, 2007. Sign up with Ms. Wilsey in V121 to go to Pima on that date. Students will need parent permission to attend.

Career Exploration and the “Reality Check” for all sophomores

This quarter Counselors have given presentations in all of the sophomore World History classes. We presented an overview of the Arizona Career Information System state website. We have asked each student to complete a Personalized Learning Plan so that they can keep all of the information that they have learned in one place for access anywhere via the internet. Lastly, students were able to complete a reality check to see if the career or careers they are interested in could support the lifestyle they hope to live. Students selected housing, utilities, clothing, food, transportation, and entertainment to complete an online budget. It was very interesting for them to see what it costs to live and learn that the higher paying jobs were those that required more education beyond high school. You can visit my website at: <http://edweb.tusd.k12.az.us/thms/psrc/careerconnections/> and click on the link Career Exploration to complete the same assessments the students did. Give it a try!

Career and Technical course videos are available on YouTube. These videos were filmed and edited by our advanced students in the Electronic Journalism class (media production). Go to <http://www.youtube.com/profile?user=THSCTE> to see the video. You may also just go to www.youtube.com and put in the search thscte. Enjoy!

Feel free to contact me by emailing me at: karen.wilsey@tusd1.org or calling me at 225-5102. We can always use more career and employment resources for our students!

Post Secondary Updates

Dr. Marisa Ostroff *Post-Secondary Counselor*

THMS CLASS OF 2008 SENIOR BULLETIN, December 2007

The Free Application for Federal Student Aid, also known as the **FAFSA**, is available online at www.fafsa.ed.gov. The form is used to apply for federal student financial aid and to apply for most state and college aid. The Department of Education encourages students to apply online because it is faster and easier than using a paper FAFSA. A response usually takes a couple of days online and approximately two weeks through the mail. Although, if you prefer a paper copy, it will be available sometime in early January at the Post-Secondary Resource Centers.

--Seniors can complete the *FAFSA on the Web Worksheet* (can be downloaded at www.fafsa.ed.gov) to practice with before applying online.

--Submit your FAFSA early, but not before January 1, 2007. **Check the financial aid application deadlines** at the schools you are applying to. For the U of A, ASU and NAU, you should have your FAFSA in the mail by February 14, using estimated 2007 income tax figures if necessary. If you are applying **ONLY** to Pima College, get your FAFSA in the mail by March 1 and use actual 2007 income tax figures. If you are applying to more than one school, get your FAFSA in by the earliest deadline of the schools you are applying to. **It is important to read all the directions carefully before completing the form. Be sure to make copies of everything before you send it.**

THMS Parent-Senior Financial Aid Night, sponsored by the THMS Counseling Department, the University of Arizona, Pima Community College, and the 'Making College Financing Count Program' will take place on Wednesday, January 24th at 6:30 pm in the Cafeteria. Experts will explain the FAFSA and answer questions about applying for financial aid at their school. If you will be completing the FAFSA, please urge your parents to attend. Students and parents of different grade levels are also welcome to attend.

COLLEGE GOAL SUNDAY. Attend with your parents so that you can meet with a financial-aid professional who will give you line-by-line help in filling out the FAFSA. College Goal Sunday will take place on February 10th from 2:00-4:00 pm. Locations TBA.

Scholarship Information

Naval Reserve Officer Training Corps (NROTC) Scholarship is available for highly qualified students. This is a four-year scholarship worth up to \$150,000 covering full tuition, books, fees, uniforms and a monthly stipend. After college, the student enters the Navy as a commissioned officer in occupations such as engineering, pilot, naval flight officer, etc. Students must be in the top 20% of class, ACT or ACT scores required. Apply online at <https://www.nrotc.navy.mil>.

DORRANCE SCHOLARSHIP: For seniors in financial need and are the first in their family to attend college. Scholarship is valued at \$36,000. Must have a 3.0+ GPA; 1040 on SAT or 22 on ACT; must be accepted at one of the AZ universities; demonstrates leadership and community service. Please see Dr. O for an application or can download from www.azfoundation.org. Several deadlines, see application; February 25th is the final one.

Gates Millennium Scholarship. For African American, American Indian/Alaska Native, Asian Pacific Islander American or Hispanic American students who have attained a 3.3+ and intend to pursue college/university; community service; Pell Grant eligible; extracurricular activities. Forms are available at www.gmsp.org. Apply by February 1st (12:00 midnight EST) if interested.

Hispanic Scholarship Fund offers seniors several scholarship opportunities. Please visit website and download an application if interested at www.hsf.net.

Scholarship Information (cont.)

Senior Girls Planning a Career in Education? The \$500 Grant-in-Aid is being offered by the Tucson Area Coordinating Council of the Delta Kappa Gamma Society International. Official transcript; essay; two letters of recommendation are required. Applications must be postmarked on or before February 13. See Dr O for a copy.

ASU Maroon and Gold Scholarship is offered to provide ethnic minority, first generation or low income students access to higher education. Award is about \$4600. Apply at www.asu.edu/fa/scholarships by February 1st. Must be accepted and enroll at ASU.

Burger King Scholars Program has \$1,000 awards available for eligible seniors. Apply at www.bk.com/scholars.

Don't forget www.fastweb.com for more scholarship information and continuously update your profile.

REMINDER: MAGNET AND OPEN ENROLLMENT APPLICATIONS ARE NOW BEING ACCEPTED FOR THE 2008-2009 SCHOOL YEAR

Open Enrollment/Magnet Applications Accepted through Feb. 1, 2008

Through TUSD's open enrollment and Magnet programs, parents can apply to have their children attend schools other than their neighborhood attendance school. To apply, complete the School Choice Application (available from any TUSD school or online at www.tusd.k12.az.us/contents/Documents/openenrollment.doc).

Application Deadline: Feb. 1, 2008

Mail completed applications to:

TUSD Department of School Community Services
P.O. Box 40400
75 N. Park Avenue
Tucson, Arizona, 85717

OR deliver to:

TUSD Department of School Community Services
75 N. Park Avenue
Tucson, Arizona, 85719
(520) 225-6400

The Tucson High Magnet community will:

- R** Respect and appreciate cultural diversity.
- E** Exhibit creativity, personal courage, and risk taking to reach potential.
- S** Successfully realize attainable goals and master essential skills.
- P** Preserve tradition.
- E** Ensure an environment for equal opportunity.
- C** Continue interaction with the community.
- T** Take responsibility seriously.



Visit the Tucson High Magnet School online:

<http://edweb.tusd.k12.az.us/thms/>