

**ACADEMY FOR MATH, ENGINEERING & SCIENCE (AMES)  
Mid-Year Report 2010 - 2011**

**Demographics**

As of March 1, 2011	Grade 12	113
	Grade 11	102
	Grade 10	122
	Grade 9	<u>129</u>
	Total Students:	466

1. Ethnic Minority (53%):
 

Asian	9%
African American/Black	8%
Hispanic	22%
Native American	4%
Pacific Islander	10%
  
2. Twenty (20) students are being serviced by an Individual Educational Plan (IEP).
  
3. Seventy-five percent (75%) of AMES student body is MESA eligible (either female and/or ethnic minority students).
  
4. Fifty-one percent (51%) of AMES student body qualifies for free/reduced lunch. AMES qualifies as a Title One school.
  
5. The AMES student body attracts students from eight Utah school districts including charter and private schools.

**Test Performance:**

1. ACT: AMES students who have taken the ACT average a composite score of 24. The state average ACT composite score for 2010 is 21.8; the national average ACT composite score for 2010 is 21. AMES students outperform state & national benchmarks in all 4 ACT categories.  
  
AMES is currently participating in an ACT pilot program for junior students. AMES administered the ACT to all junior students on March, 1, 2011. *Test results forthcoming.*
  
2. SAT: AMES students who have taken the PSAT/SAT test have consistently scored in the 1600-2000 range.  
**AMES has four (4) National Merit Finalists for the class of 2011.**
  
3. PLAN (pre-ACT): AMES 10<sup>th</sup> grade students have a composite score of 19.3 (Fall 2010). The national composite score is 17.5 (Fall 2010). AMES also administered the pre-ACT EXPLORE test to all AMES freshman.
  
4. CRT: AMES students scored above state averages on CRTs in Language Arts, Biology, Chemistry, and Physics. AMES students scored average in Earth Science. Deficiencies in which student's scored below state averages include: Algebra I, Algebra II and Geometry. These deficiencies are being addressed by AMES staff with updates to the AMES board.

**CRT/U-Pass Results:** Refer to AMES website – [www.ames-slc.org](http://www.ames-slc.org)  
Link: U-Pass Results

**UCA Budget:**

AMES qualified and received an estimated \$220,000 in federal funds which supports Saturday Math School, Higher Ground Learning Summer Skills Camp for incoming freshman, and ELL support staff (8 students identified). Other uses for federal funds include support for open access AP class, U of U concurrent courses, advisory curriculum, special education services, and math department upgrades.

**Northwest Association of Accredited Schools Status:**

AMES is fully accredited; site visit, April, 2008. The next site visit will take place in 2013.

**Graduating Class of 2011:**

1. Regents Scholarship Applications (minimum \$1,000 scholarship)  

2011 Potential Graduates	113
Eligible seniors	37
Percentage of Class	33%
  
2. Omelets & Admissions: Twice a year AMES administration and counselors along with advisors from the U of U including financial aid staff meet with AMES seniors to help them complete college entrance applications and other scholarship applications during two Saturday workshops.
  
3. AMES FAFSA Day: AMES held one Saturday workshop for senior students requiring assistance filling out their FAFSA applications.
  
4. Three (3) AMES seniors were identified as finalists for the U.S. Presidential Scholars Program. Students chosen as U.S. Presidential Scholars receive an expense-paid trip to Washington, D.C. and a U.S. Presidential Scholars medallion at a ceremony sponsored by the White house, in commemoration of their achievements.

**University of Utah Partnership:**

124 students (10 – 12 grades) have enrolled in one or more University of Utah courses taught on the AMES campus by U of U faculty/instructors.

<b>Classes being taught:</b>	<b>Totals (Semester 1)</b>
Calculus 1210/1220	32 Students
Humanities 1000	31 Students
Writing 1010/2010	84 Students
Math 1030	44 Students
Chemistry 1210/1220	19 Students – Class being taught on the U of U campus with full access to lab
Physics 2210	14 Students

**AMES Community Partnerships – Funded in part by State Trustlands**

**PLACEMENTS AS OF MARCH 2011**

AMES English Department  
AMES Technology Department  
Brickyard Animal Clinic  
Centro de la Familia  
Comunidades Unidas  
Community Writing Center  
Dancing Cats Feline Health Center  
GP Photography  
Great Salt Lake Institute at Westminster College  
IHC – Intermountain Medical Center  
Ken Sanders Rare Books  
Living Planet Aquarium  
Maliheh Clinic  
Newcomers Program at Cottonwood High School  
Pate Baird Law  
S'PLORE  
Salt Lake Peer Court  
So Cupcake Bakery  
SpyHop Digital Design  
SpyHop Film  
SpyHop Records  
Twin Peaks Elementary School  
University of Utah – Engineering Department - Materials Science Lab  
Utah Museum of Natural History – Archeology Department  
Utah Museum of Natural History – Design Department  
Virginia Tanner Dance Studios  
Wasatch Community Gardens

**Continuing Features:**

1. AMES students participate in hosted Cottonwood High School programs including music, debate, drama, art and athletics.
2. Active PTSO with over 250 family memberships.
3. Open access AP classes include: Human Geography (9<sup>th</sup> Grade), European History (10<sup>th</sup> Grade), US History (11<sup>th</sup> Grade), Art History, Psychology, and Calculus.
4. AMES sponsors co-curricular clubs including:

AMES GSA	FIRST Robotics	Quilting Club
AMES Newspaper	Gardening Club	Rocket Club
Aquarium Club	Kids Helping Kids	Science Fair
Arabic Club	Literary Magazine	Sketchbook Club
Chess Club	Math Club	Student Council
Ecology Club	Music Club	Yearbook
5. Math Saturday School: AMES staff and students offer assistance to 50-60 AMES students every week at the Hunter Library.
6. AMES Higher Ground Learning Summer School: Entering AMES freshman was invited to participate in a three day study skills camp during the summer 2010. Approximately 75% of AMES freshman participated.
7. Science Fair Research Class is taught by two instructors with 19 students. Mentors include professors, graduate students, post “docs”. Class participants present their projects at the AMES Science Fair and compete in the Salt Lake Valley Science and Engineering Fair (SLVSEF) at the University of Utah each spring. Sixteen (16) AMES students will participate in the SLVSEF on March 24 – 25, 2011.