

**ACADEMY FOR MATH, ENGINEERING & SCIENCE (AMES)
Mid Year Report 2008 – 2009**

Demographics

As of January 2009	Grade 12	73
	Grade 11	98
	Grade 10	127
	Grade 9	134
	Total Students	432

1. Ethnic Minority (46%):

Asian	8%
African American	5%
Hispanic	24%
Native Am.	3%
Pacific Islander	6%
2. Twenty two students being serviced by an Individual Educational Plan (IEP).
3. Seventy one percent of our student body MESA eligible (either female and/or ethnic minority students).
4. Forty two percent of student body qualifies for free/reduced lunch. AMES qualifies as a Title One school.
5. AMES recognized as a “high performing” Title One School” (AMES students scored above of state average on CRTs the last 2 years.)
6. The AMES student body attracts students from six Utah school districts including charter and private schools.

Test Performance:

1. ACT: AMES students average 24 composite for this exam, two points above the state average of 21.8 and three points above the national average of 21.1. AMES students our-perform state & national bench marks in all 4 ACT categories.
2. SAT: The students who have taken the SAT test have consistently scored in the 1600-2000 range. We have two potential National Merit Semi-Finalists; AMES had 2 National Merit Semi-Finalists, class 2008.
3. PLAN (pre ACT): AMES 10th grade students composite score of 19.2 The national composite score was 17.5

	<u>AMES 08/09</u>	<u>National</u>	<u>AMES 07/08</u>
English	18.4	16.9	15.7
Mathematics	19.2	17.4	17.0
Reading	18.7	16.9	16.5
Science	19.8	18.2	18.4
Composite	19.2	17.5	17.0

CRT/U-PASS Results: Refer to AMES website – www.ames-slc.org
Link: U-PASS Results

CUSAP Budget:

AMES qualified and received \$62,575 in federal NCLB funds which supports Saturday School, Quantum Learning for incoming freshman, and ELL support staff (24 students identified).

Northwest Association of Accredited Schools Status:

AMES is fully accredited; site visit, April, 2008.

Graduating Class of 2009:

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

2009 Potential Graduates	73
Number Submitting Application	38
Percentage of Class	52%
2. AMES has a senior e-mail list that enables the AMES staff and senior project advisors to contact students with information in an efficient and timely manner. A Senior Bulletin is sent via email giving timely information on scholarships, other news, etc. periodically.
3. 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, FAFSA applications and other scholarship applications during 2 Saturday workshops.

University of Utah Partnership:

1. 135 Students (12th & 11th graders) currently enrolled in one or more U of U classes taught on the AMES campus by U of U faculty/instructors.

Classes being taught:

Calculus 1210/1220	(29 Students)
Communications 1000	(12 Students)
Writing 1010/2010	(39 Students)
Math 1030	(25 Students),
Chemistry 1210/1220	(21 Students – Class being taught on the U of U campus with full access to lab),
Physics 2210	(9 Students)
Statistics 1070	(11 Students)

AMES Community Partnerships – Funded in part by State Trustlands

INTERNSHIP 2008-2009
PLACEMENTS AS OF JANUARY 2009

CURRENTLY PLACED:

Woodstock Elementary School
University Chemistry Department/Jim Muller
EDA Architects
So Cupcake Bakery
AMES Staff
University Biology Department/Clayton Lab/Jessica Waite
The Children's Center Group Home
Cottonwood High School Music Department – Amber Tuckness
Multicultural Legal Center
Applied Technology Center
Utah Association of Realtors
Hispanic Chamber of Commerce
Heart & Lung Center-Dr. Drakos/Adult Congenital Heart Center-Dr. Whitehead
Alliance Community Services
G and R Diesel
Science Fair
UtahFM
Eisenhower Junior High/English/Peggy Davis
SpyHop
Community Writing Center
Virginia Tanner Dance Studios – Sandy
No More Homeless Pets
Pioneer Valley Hospital
Scott McHenry/Aerospace/ATK (internet contact only)
UofU Women's Resource Center/Go Girlz
Comunidades Unidas
Living Planet Aquarium
UofU Engineering NSF Project

Continuing Features:

1. AMES students participate in hosted Cottonwood High School programs including music, drama, art and athletics.
2. Active PTSO with over 150 family memberships.
3. Open access AP classes include: Human Geography (9th Grade), European History (10th Grade), US History (11th Grade), Art History and Psychology, Calculus.
4. AMES sponsors co-curricular clubs including:

Student Council	Kids Helping Kids	Newspaper
Chess/Knitting/AMES-GSA	Game Room	Ping Pong
Astronomy/Rocket Club	Garden Club	Fitness/Veggie Club
Math Club	Science Olympiad	Improv 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 Summer School: Entering AMES freshman participate in a week long study skills camp each summer; approximately 85% participation.
7. Science Fair Research Class taught by two special instructors with 20 students; student researchers work with a mentor. These mentors include professors, graduate students, post “docs”, as well as an AMES alumni and winner now attending the University of Utah. Class participants present their projects at the AMES Science Fair and compete in the INTEL Regional Fair at the University of Utah each Spring. In the last 3 years of participation, AMES science fair students have won recognition and attended 2 of the international fairs.