

AIMS TIMES

DIRECTOR'S CHAIR



Wishful thinking as I look out my window today!

Greetings AIMS Family!

I hope being snowed in several days this winter did not give you the blues!!!! If so...cheer up...Spring really is just around the corner!! Last month despite the chill in the air and snow on the ground, we were able to get out and about to celebrate TRIO Day on the campus of Western Kentucky University, as well as view the Gatton Math and Science Academy. I am pleased to announce that one of our AIMS students applied to the Gatton Academy and four other AIMS students competed in the TRIO Day Academic Bowl Competition last month!

We are busy in the AIMS office working on our Annual Performance Report (APR) for the U.S. Department of Education and prepping for the Orientation meeting and summer component! Busy times in these parts!!!! If you have not sent back your summer component confirmation, please do so ASAP!

I look forward to seeing you soon!

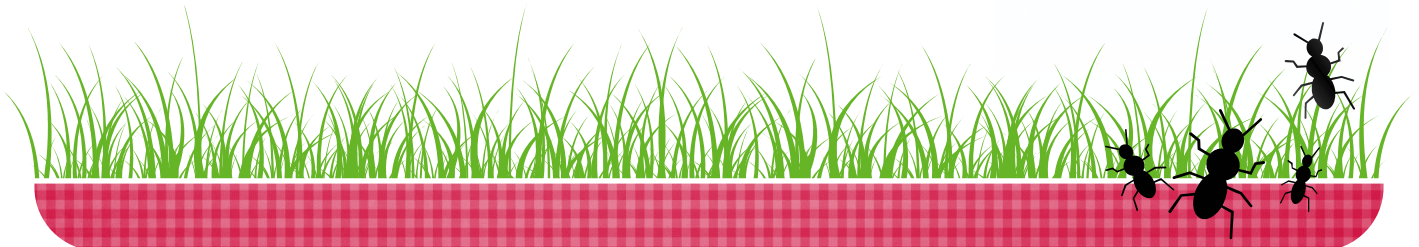
Dr. Doris Clark-Sarr

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Administrative Remarks!

Hello Everyone!

Spring will soon be here, which means so will the AIMS Summer Program! Hasn't the year gotten off to a fast start?

Keep up the good work and keep striving for your goals!

Looking forward to seeing you all in April at AIMS Summer Orientation.

Take care of yourselves!

Sail Woolridge

CAREER PROFILE: Careers in Cryptography

Cryptography is the art and science of hiding and deciphering information through the use of codes. Government agencies, private industries and military organizations need individuals trained in cryptography for a variety of jobs, ranging from code makers and code breakers to language analysts and information security specialists. Some jobs might require candidates to hold high-level security clearances. Individuals who work in cryptography are commonly referred to as cryptologists.

Military

The U.S. Navy offers multiple jobs for cryptologists. Cryptologic maintenance technicians install, maintain and repair the electronic cryptologic systems the Navy uses for communications, analysis, security, monitoring, tracking and other military purposes. Interpretive technicians use their foreign language and computer skills to collect and analyze foreign-language communications. The U.S. Navy also employs network technicians and collection technicians in the field of cryptography.

Private Enterprise

Private business enterprises use cryptologists to protect proprietary information from corporate espionage. These information security analysts use information technology to keep an organization safe from cyber attack from either competitors or malicious computer hackers. Information security analysts develop and implement cyber-protection protocols and continually update these protocols to take advantage of the latest developments in Web security.

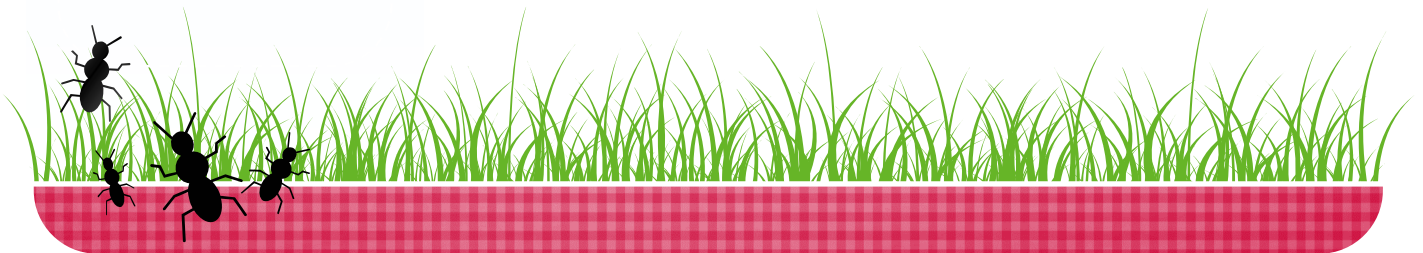
Government

Agencies of the federal government hire cryptologists to aid in the national battle against terrorism. The National Security Agency trains and employs cryptanalysts to investigate information systems to uncover hidden aspects within that system, such as encrypted features and parameters that might be used to convey or receive sensitive information. The resulting information helps the NSA in its core directive of providing critical intelligence to leaders at the highest levels of government.

Considerations

Entry-level requirements for the cryptography field vary based on the needs of the employer, but minimum education includes a bachelor's degree in mathematics or computer science. Candidates with advanced degrees at the master's or Ph.D. level have greater employment options. GovInfoSecurity reports that cryptologists typically need proficiency in a language other than their native tongue, should be excellent researchers and have expertise in their specific targeted field.

By Mike Parker, Demand Media



COORDINATOR'S CORNER—AIMS I

Greetings AIMS:

Everything is full-speed ahead and in full swing for summer as we prepare your arrival. From hiring staff and ordering supplies to planning new adventures and making new additions to the AIMS Family, the Central Staff is working extremely well to give you a summer experience that enhances your knowledge, enriches your spirit, and enlightens your cultural awareness.

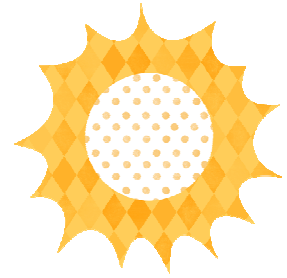
If you have friends interested in the AIMS Program, please have them send us their application as soon as possible. Also, please complete all paperwork sent to you and return it as well so that we have accurate numbers of who will be attending the program this summer.

Bridge students, you should be seeing a light at the end of the tunnel at this point. Let me know if you need my assistance as you transition from high school to college.

Looking forward to seeing you all in the near future!

Much Love,

Stephen D. Keene



"The greatest discovery of all time is that a person can change his future by merely changing his attitude." Oprah Winfrey

COORDINATOR'S CORNER—AIMS II

Hello AIMS Family!

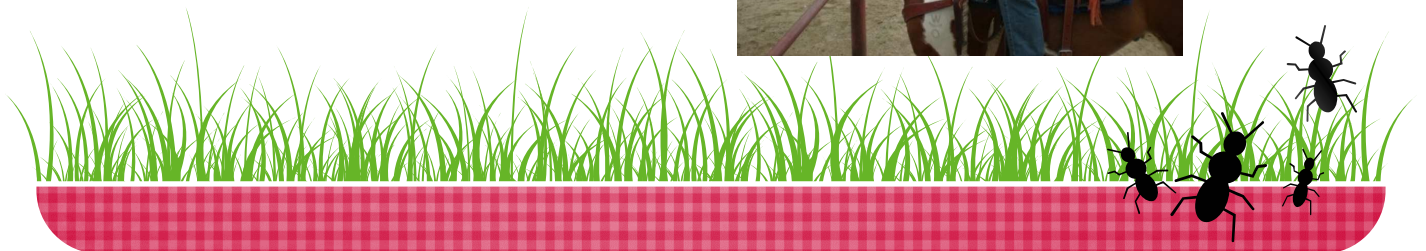
They say that time flies when you are having fun, but this is just crazy!! I cannot believe that March is already here. The AIMS staff has been working hard behind the scenes preparing for yet another outstanding summer program. Summer orientation is only about a month and-a-half away! I hope you are all getting as excited as we are!

I am sure you all are ready for spring break, too. But don't get too anxious! Keep focusing on your grades – it is much easier for your GPA to go down than it is to bring it up. I say this all the time, but get help with your classes if you need them. Tutoring is designed to bring up your grades which will come back to help you later (i.e. college admissions/scholarships). You can always go to a movie or hang out with friends, but once the school year is over and you have some C's and D's, it's too late! Don't let this happen.

Bridge students: Don't forget about the workshop on the 29th. Clear your schedules and be here! It's the "Final Countdown," and you don't need to miss out on this information.

That's all for now but as always, if there is ANYTHING I can do for you, just let me know!

Evan O'Neal



MARCH BIRTHDAYS

VICTORIA BARKER

MALAYSIA BRIDGETT

TIMOTHY GROVE

KAYLEIGH MARSHALL

CALLIE MERRIWETHER

KEION MURPHY

MALIK STOCKDALE



PARENTS' CORNER: A New Wave of Evidence: The Impact of School, Family and Community Connections on Student Achievement

A research synthesis authored by Anne T. Henderson & Karen L. Mapp, published by SEDL.

Key Findings about Impact:

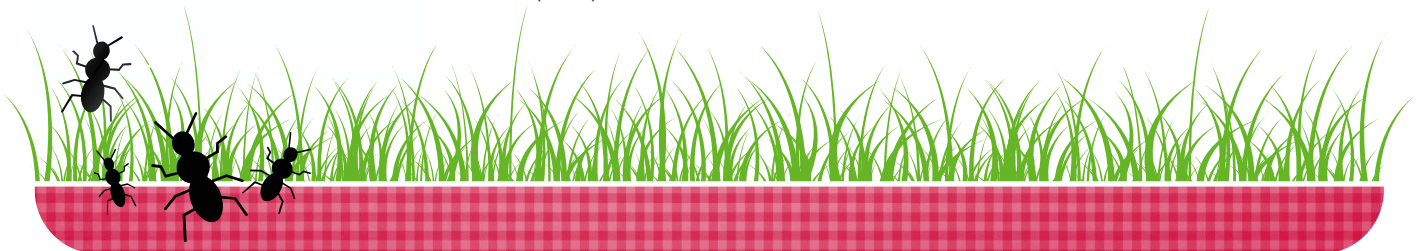
The evidence is consistent, positive, and convincing: many forms of family and community involvement influence student achievement at all ages.

- * Programs and interventions that engage families in supporting their children's learning at home are linked to improved student achievement. Epstein, Simon & Salinas (1997), Jordan, Snow & Porche (2000), Starkey & Klein (2000)
- * The more families support their children's learning and educational progress, both in quantity and over time, the more their children tend to do well in school and continue their education. Miedel & Reynolds (1999), Sanders & Herting (2000), Marcon (1999)
- * Families of all cultural backgrounds, education, and income levels can, and often do, have a positive influence on their children's learning. Ho Sui-Chu & Willms (1996), Shaver & Walls (1998), Clark (1993)
- * Family and community involvement that is linked to student learning has a greater effect on achievement than more general forms of involvement. Invernizzi, Rosemary, Richards & Richards (1997), Dryfoos (2000), Clark (2002)

Key Findings about Making Connections:

When programs and initiatives focus on building respectful and trusting relationships among school staff, families, and community members, they are more effective in creating and sustaining connections that support student achievement.

- * Programs that successfully connect with families and community invite involvement, are welcoming, and address specific parental and community needs. Hoover-Dempsey & Sandler (1997), Sanders & Harvey (2000), Peña (2000)
- * Parent involvement programs that are effective in engaging diverse families recognize cultural and class differences, address needs and build on strengths. Scribner, Young & Pedroza (1999), Chrispeels & Rivero (2000), López (2001)
- * Effective connections embrace a philosophy of partnership where power is shared—the responsibility for children's educational development is a collaborative enterprise among parents, school staff, and community members. Wang, Oates & Weisheuw (1997), Smrekar et al (2001), Moore (1998)
- * Organized initiatives to build parent and community leadership aimed at improving low-performing schools are growing and leading to promising results in low-income urban areas and the rural South. Mediratta, Fruchter & Lewis (2002), Jacobs & Hirota (2002), Wilson & Corbett (2000)



MSU ESL Conversation Partners Program

ESL Student Application Form (Green)



Assigned with _____	Date of Assignment _____
Last Name _____	First Name _____
Last Name _____	First Name _____
Office Use Only	Applicant ID #

The ESL Conversation Partners Program matches ESL students with American students, faculty, or staff on the Murray State campus for the purpose of language practice and cultural exchange.

Name: _____ Age: _____ Sex: _____

Last First Nickname

Are you from an MSU partner university? No _____ Yes _____ Which University _____

Current (US) mailing address: _____

Phone: Home/Apartment/Dorm _____ Cell _____

Email: _____ Home Country: _____ Language(s) spoken: _____
ESL level: _____

Plan after completing ESL: Grad studies _____ Undergrad studies _____ Going back _____ Other _____

When did you arrive in the US? ____/____/____ How long are you planning to stay? _____

Have you been in the US before? _____ Explain if yes _____

Conversation ability in English: Almost no English _____ Fair _____ Good _____ Very Good _____

Interests and hobbies: _____

Food restrictions: _____

Allergy to dogs, cats, or any other animals: _____

Please indicate your preferences if you have any. They may, however, limit our ability to match you.

Please match me with: Students only _____ Faculty or staff _____ No preference _____

It is very important to me that my conversation partner be close to my own age. Yes _____ No _____

Any other preferences or comments: _____

Please tell us the reasons why you want to participate in this program: _____

Signature: _____ Date: _____

VOLUNTEERING AT MURRAY STATE UNIVERSITY

My signature below indicates my understanding that participation in any volunteer activity at Murray State University and any of its Colleges, Schools, Departments, Offices or other areas ("MSU") will be in accordance with following.

- 1) I will be a volunteer only and will not be an employee of MSU. My participation in any volunteer activity will be without any payment or consideration, and with no reimbursement for my expenses or payment of wages, employee benefits, or other compensation. I am not entitled to any of the benefits in MSU's *Personnel Policy and Procedures Manual*.
- 2) I will abide by all applicable laws, rules, regulations, policies and requirements of MSU including obligations regarding confidentiality of student and other University records. I will conduct myself in a manner to prevent damage to property and injury to myself and others.
- 3) I understand the requirements, including physical requirements, of any volunteer activity I might engage in and represent that I am able and have all the requisite training and skills to participate in the volunteer activity.
- 4) In consideration of MSU's allowing me to participate in the volunteer activity, I fully and finally release MSU, its Regents, and its employees from any and all liability and damage to or destruction of my property and for any injury, illness, and death to me which might occur during or as a result of, or which might be in any way related to, my participating in the volunteer activity even if any such damage, destruction, injury, illness, or death is due in any part to any negligence, including gross negligence, of MSU, its Regents, or its employees.
- 5) I agree to indemnify and reimburse MSU, and to be responsible to any third party, for any liability, cost, or damages that may be due to or arise out of my conduct.
- 6) I understand that I may leave the volunteer activity at any time. Likewise, MSU has no obligation to allow me to remain as a volunteer.

I AM EIGHTEEN YEARS OF AGE OR OLDER.

VOLUNTEER

Signature

Date

Printed Name

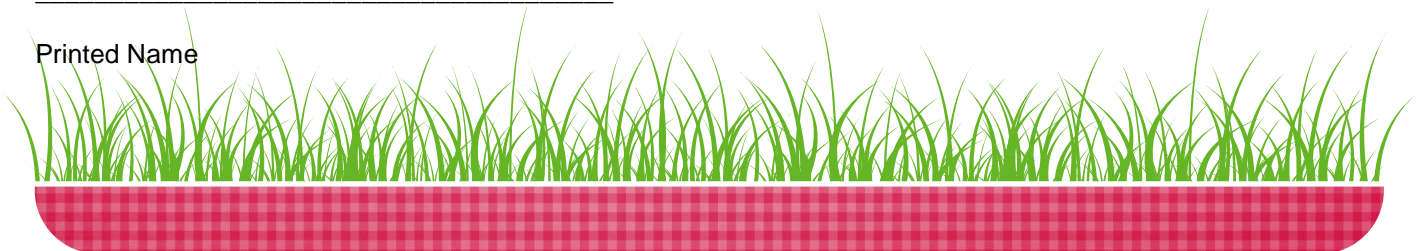




Illustration by Jason Barnes!

Kentucky Science Center's 2014 Youth Science Summit
Saturday, March 22, 8:00 A.M. - 4:30 P.M.
Presented by Lourdes Hospital and Mercy Medical Associates
Ages 11-18 divided into Middle and High School tracks

The world is changing and today's youth boast the big voices and big ideas that will create tomorrow's leaders. At the 2014 Paducah Youth Science Summit, students ages 11-18 will dialogue on hot science topics, interact with leading professionals in speed mentoring sessions and hands-on industry labs, and advocate for advancement in science, technology, engineering, and math.

Presented by



With support from Harrah's Metropolis



Hosted at



West Kentucky Community and Technical College
4810 Alben Barkley Drive
Emerging Technology Center
Paducah, KY 42001
270-554-9200

\$25 per student (breakfast, lunch and t-shirt). For more information or to register, please call 502.561.6100 or visit KYScienceCenter.org.

MARCH IS.....

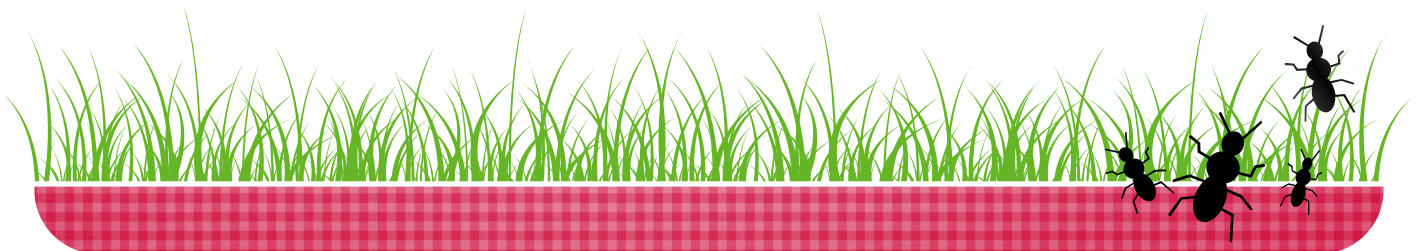
National Women's History Month

Women's history is filled with women whose lives and work have transformed American communities and the ideas of their day. Women's history is also about countless women who have lived out their lives quietly at the center of their families. Together, these women represent many and varied cultures, faiths, aspirations and beliefs. And, they have all contributed significantly to building our society and culture.

Want to Learn More?

Opportunities abound for you to learn more about the individuals and events of women's history. The National Women's History Project publishes a Women's History Catalog offering fascinating, multicultural posters, books, videos, and classroom materials for all ages. You'll find information about hundreds of women from all walks of life who have helped shape our nation.

Visit <http://www.nwhp.org/whm/index.php> for more information.



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March

TBA Cultural Outing
17th—21 MSU Spring Break
22nd KY Science Center's
Youth Science Summit
29th Bridge Enrichment
Workshop VII—The Final
Countdown

April

12th ACT Test Date
19th AIMS Orientation
251 Blackburn Science Bldg

May

26th—29th AIMS Staff Re-
treat Eminence, MO
26th Bridge Move In Day
2:00pm

SCHEDULE AT-A-GLANCE

27th Bridge Classes Begin

June

2nd AIMS Pre-Assignments
Due Date
3rd—5th Bridge Surprise Trip
6th—8th Bridge Weekend
8th Undergraduate Move-In
Day & Cook-Out
2:00pm
9th Undergraduate Classes
Begin
11th AIMS Testing & Carni-
val
14th ACT Test Date
18th Venture River Day &
Bridge Graduation
20th—22nd Bridge St. Louis
Trip

25th Discovery Park of America
& Cultural Outing (TBA)
27th Closing Symposium &
Move-Out Day
28th—July 2nd
End Of Year Trip (TBA)

