

Overview: The Early College Programs at Fort Hays State University provide a residential learning experience for exceptional high school juniors and seniors with an interest in mathematics and science. Over the course of the two years, students receive 68 hours of college credit, earn their high school diploma, conduct hands on research, develop leadership and civic engagement skills, and participate in co-curricular and extra-curricular activities.

Points of Pride:

- The KAMS/AMS graduating class of 2023 achieved an average composite ACT score of 31. Students who score a 31 ACT composite score are in the top 95th percentile out of the 1.9 million students that participated in the ACT in 2022-2023.
- The KAMS/AMS graduating class of 2023 received a little over 1 million dollars in scholarships, which is an incredible amount, considering how the smaller number of graduates compared to past years.
- Early College Programs graduated the fifth official class of AMS students. AMS students hailed from China and South Korea.
- Academic Excellence: 15 students earned a perfect 4.0 GPA in the fall of 2022. 15 students earned a perfect 4.0 GPA in the spring of 2023.
- Academic Excellence: 22 students earned Dean’s Honor Roll recognition in the fall of 2022. 24 students earned Dean’s Honor Roll recognition in the spring of 2023.
- Success in competitions, activities, and campus involvement:
 - Numerous students provided countless service hours during a variety of volunteer service opportunities on campus and in the Hays community.
 - 22 KAMS and AMS students participated in the annual John Heinrichs Scholarly and Creative Activities Day here at FHSU, in April.
 - 6 KAMS/AMS students competed in the annual AMC 12 national, mathematics exam.
 - 6 KAMS/AMS students competed in the fall Mini Math Madness competition.
 - Director Will Burns presented about KAMS to the Hays Optimist Club in January.
 - VEX Robotics: From Zachary Pixler, the instructor aiding our students in their robotics research: "We are competing at the ITEEA (International Technology & Engineering Education Association) National Conference in Minneapolis, MN, April 12-15. This group of students work very diligently when we meet once a week! They were given the prompt in the form of the competition rule book and set out to design and build a competitive robot! I’m looking forward to watching them compete at the national level with our TEECA (Technology and Engineering Education Collegiate Association) club!" Student list: Mark Hamrick Kaijie Wen, Sanghoon Lee, Seung Hyeok Jang, and Marina Profeti
 - KAMS senior, Quinton Shepard was named a “Hansen Scholar” by the Dane G Hansen Foundation.
 - Biology/Chemistry: KAMS Junior Hazel Frans and AMS Senior Muyang "Hanson" Xu are doing their program research with the FHSU Biology Department. Hanson's research is using CRISPR/Cas9 to mutate proteins that are involved in plant leaf stem cell proliferation. With the

- same technology, Hazel Frans and KAMS Senior Isaac Knight (not pictured) are researching the asymmetrical leaf gene (AS2). Student List: Muyang Xu, Hazel Frans, Isaac Knight
- AMS Senior Muyang "Hanson" Xu presented his molecular biology research at the Kansas IDeA Network for Biological Research Excellence (K-INBRE) Symposium. The conference took place in Overland Park, KS in early January. Hanson's research topic is: Using CRISP Technology to Generate Mutations in Genes Encoding Proteins Required to Regulate Cell Differentiation During Leaf Development in Arabidopsis Thaliana.
 - Electric Vehicle App & Design: From Joseph Chretien, the instructor aiding our students in their Electric Vehicle App & Design research: "This is a special group of students. They are currently working on their SACAD posters. They also take time to work on the cars to get them ready for our races. Soon we will be practicing driving in preparation for our races. Some were here last semester to have a hand in designing our new car and they will be working on that one also as the semester progresses." Student list: Lyric Yost, Lawson Ricke, Kyle Wasinger, Binyu Yan, and Brandt Hagen.
 - AMS seniors, Jennie Wang and Zichun Su, were selected to present their psychology research at the annual Rocky Mountain Psychology Association (RMPA), which will take place on April 13th.
 - KAMS Senior Griffin Davies also attended the Kansas IDeA Network K-INBRE Symposium. He plans to continue the research he has started with Dr. James Balthazor as a traditional FHSU student after completing the KAMS program in May 2023.
 - KAMS Senior Cosmo Jarboe and KAMS Juniors Audrey Caleb & Yves Shapland took part in the North American Computational Linguistics Open Competition (NACLO).
 - KAMS Junior Emma Cohn received an award of recognition from the FHSU Athletics Department for achieving academic excellence while being a member of the Fort Hays State University Pep Band.
 - Congratulations to KAMS Junior, Elijah Beauchamp, on placing 2nd in Java programming in the Kansas Business Professionals of America's competition. Elijah also placed in the top 10 for Information Technology and Computer Programming Concepts. Good luck in the upcoming national competition!
 - KAMS seniors, Kyron Saunders and Anniston Anderson were selected and have successfully participated in FHSU VIP Student Ambassador program.
 - KAMS seniors, Kyron Saunders, Dayne Locke, Gideon Fox, Adam Vincent, and Quinton Shepard, received a national certification in high-level/advanced rocketry. This rocketry research group also qualified to compete in a national rocketry competition that will be taking place in the month of May, in Wisconsin. To help pay their way and cover costs, this particular rocketry group created a presentation and proposal for local business, "Energys". Due to their proposal, Energys provided the students with \$500.
 - KAMS senior, Kyron Saunders, was named "2023 Kansas Governor's Scholar".
 - 18 KAMS/AMS students took part in the 2023 KAMS/AMS Spring Break Trip to the Colorado Springs and Denver area. The trip was led by Director Will Burns and provided many opportunities for students to experience local history, culture, geography, etc.
 - KAMS Senior, Anniston Anderson, helped to create and run the first annual, "Arc Cornhole Tournament" in early April. The event was well attended and helped raise funds and recognition for individuals with physical and intellectual disabilities within Hays and surrounding communities.

- KAMS juniors, Tuley Gilliland and Hazel Frans, were selected as Fort Hays State University 2023-24 VIP Ambassadors.
 - KAMS seniors, Kadrian Ayarza and Ryan Swafford were awarded 1st place in the Undergraduate: Empirical Poster Presentation category during FHSU's SACAD 2023.
 - Numerous KAMS/AMS students participated in creating and racing in several Kansas Electro Rally car races in the spring of 2023. KAMS/AMS participants were: Binyu "Lawrence" Yan, Lyric Yost, Lawson Ricke, Kyle Wasinger, and Brandt Hagen. Professor Joe Chritien was the coach and research mentor for the team.
 - KAMS juniors, Hazel Frans, was selected as a KC Scholar winner. This is a scholarship worth \$50,000 to use after she completes KAMS as a senior.
 - KAMS Senior, Anniston Anderson and Director Will Burns were featured on KWCH (CBS Wichita news station), highlighting the KAMS program.
 - Over 30 students participated in the 4th annual KAMS/AMS Prom in late April.
 - KAMS Seniors (Quinton Shepard, Gideon Fox, Dayne Locke, and Kyron Saunders) attended a rocketry event in Blue Harbor Resort, Sheboygan, WI. Dr. Paul Adams was the lead research mentor and coach with this project.
 - KAMS Senior, Kadrian Ayarza earned a full ride scholarship to Wichita State University, called the "Shocker Promise Scholarship".
- Provided a variety of programming and events for students to participate in:
- Disc Golf
 - Black Panther Movie Night with Will at the AMC
 - Weekly Breathe Break
 - Mindfulness and Yoga
 - College Application Work Nights
 - "Putt Putt with Will"
 - Oktoberfest BBQ for KAMS/AMS Students
 - Linguistics Club
 - Custer Hall Halloween Costume Party
 - Scholars Bowl
 - Physics Bowl
 - AMC 12
 - NACLO competition
 - Science Café and Dinner for KAMS/AMS students.
 - Math Madness
 - KAMS/AMS Prom
 - Senior Picnic
 - Spring Break Trip for KAMS/AMS students to Colorado Springs and Denver
 - Custer Hall Council Events

Focus Areas for 2022-2023:

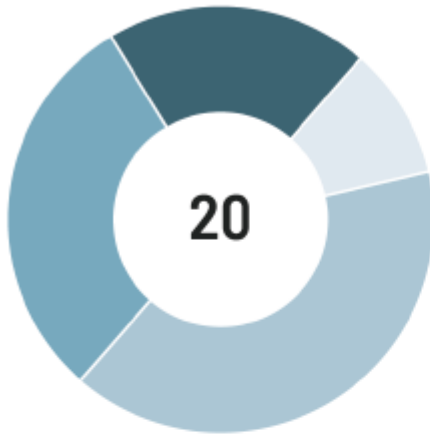
- Continue to focus on increasing applications for domestic students. The goal is to grow to capacity of 40 domestic students for the entering class for Fall 2023. This has been extremely challenging due to a multitude of issues: instability created by COVID and lack of interest in KAMS due to public high schools increasingly offering STEM curriculum (along with discounted college credit). Having said this, we are confident that the program will start to grow more and more, as we adapt to marketing in a “post-COVID world” and adjust our curriculum (specifically mathematics) to meet the needs of our current and prospective students. We have shifted some of our marketing to include “Early College Programs” while promoting KAMS and AMS, as we hope this will catch the attention of individuals who may not be interested when they first see information about mathematics and science. There were quite a few “new” strategies involved this year, as we are trying to avoid being stagnant in our recruitment efforts from year to year. One example of this, is the Wichita-area high school “KAMS Bus Tour” that occurred in February. Over 30 Wichita area students attended the event, where we provided a KAMS information session, tours, etc. The event was a success and garnered much interest.
- Continue to focus on increasing applications for international students. The goal is to grow to capacity of 40 international students for the entering class for Fall 2023. This AMS recruitment cycle, our international partners/agencies again struggled to secure prospective students and families, due to so many unknowns about COVID-19, visa access, international travel, etc. However, this has gotten better and is slowly improving compared to last year. “Normal operations” for the country of Georgia and South Korea have resumed. Unfortunately, recruitment travel to China is still negatively impacted by COVID and other geopolitical issues between China and the United States. Surprisingly, we do believe we will have around 6 to 8 new Chinese students attend this coming fall of 2023 (which is up from the past few years). Due to the strained relationship between the United States and China, which has progressively worsened over the past four years, we have been very intentional to shift our time, energy, and resources to our partnership in the county of Georgia and a newly created partnership with an agency in Taiwan.
- Sadly, our total enrollment for the KAMS/AMS programs for the 2022-2023 academic year as only 41 students. Hopefully, we are seeing a bit of an upward trend for the 2023-2024 academic year, as our projections (if all students come) will be right around 50 total students. We recognize that this is still too low, but we are excited about a small rebound in numbers.
- Establish additional international partnerships for admission, research, and cultural exchange. A few examples of this include:
 - Last year, we were able to create an incentive program for our international partners. Markham (international agency from China) was the only agency able to capitalize this academic year, but every agency we have spoken to, sees this as a great way to increase overall numbers.
 - This year, Director Will Burns was able to present to over 100 individuals (via Zoom) from the country of Taiwan. The majority of these individuals were with high schools from across the country of Taiwan. After meeting with several educational agencies in the Taipei area, AMS is in the process of finalizing a new partnership with the “Lincoln Consultant Group” in Taiwan. They are deeply connected to many of the high schools that attended the online presentation about AMS. It is our hope that this new partnership will develop a pipeline of Taiwanese students to attend AMS at FHSU.

- This was the first year that Early College Programs housed minor students who do not attend KAMS or AMS. Last year, we created the “TMP Boarding Program” where TMP international students could have a choice of staying in Custer Hall or with a host family connected with TMP. Three TMP Boarders lived in Custer Hall for the 22-23 academic year. Not only did this provide diversity to our campus and spread good will to TMP, it provided FHSU/Res Life with a few additional dollars for housing from these students. The pilot year of this program was considered a success and we will likely continue to house TMP Boarders in to the future (until space fills fully with KAMS/AMS students).
- In spring of 23, we provided a cultural, geological, and historical trip that focused on the Colorado Springs and Denver areas. A total of 16 KAMS and AMS students participated.
- This was the third year of our transcript partnership with TMP High School. TMP houses our international students’ transcripts. Although only in its third year, we feel strongly that this is a valuable partnership and that TMP’s service to our staff and students has been once again phenomenal. Our goal is to strengthen this partnership with TMP and even create a “pipeline” of AMS international students that attend TMP for 9th and 10th grades before coming to FHSU for AMS. Some of this will also be done through our ability to host the “TMP Boarding Program” here in Custer Hall, which is mentioned above. An example of this pipeline is the fact that we have a 10th grade Korean student who utilizes Guardian EDU. This specific student lived in our residence hall, but attended TMP for his 10th grade year. This student will join AMS as an 11th grader for the 23-24 academic year.
- Continue to focus on social/emotional/mental health and support for our KAMS/AMS students. This is the fourth year of our “Weekly Wellness Sessions” where staff members from KAMS/AMS create a variety of wellness activities for students to participate in throughout the year.
- This is the fourth year for our evening college application counseling sessions for our seniors. Numerous sessions took place in the fall 22 semester for our seniors. These consisted of very individualized advising sessions where our Assistant Director (Sherri Matlock) worked one-on-one with students. Our goal is to continue to provide these evening work sessions. In addition, we hope to increase the number of students attending each of these evening work sessions.
- We successfully and thoughtfully updated our handbook language (with the help of university legal counsel and Title IX coordinator) to include more gender-inclusive language. Custer Hall policies were also updated to be more gender-inclusive. Plans with Residential Life, FHSU’s Title IX Coordinator, FHSU Legal Counsel, and other stakeholders are still taking shape over the summer, in preparation for the 23-24 academic year.
- One of the best initiatives to occur over this past year, was the fact that an extensive amount of work and research took place, to create a comprehensive proposal for our FHSU Academic Counsel, in relation to adding much needed flexibility to our curriculum requirements. This added flexibility in mathematics specifically, has alleviated mental health issues within the program (experienced by students) and has helped with achieving recruitment, retention, and graduation goals. A portion of the extensive work on this initiative included the creation of “curriculum pathways” for students: <https://www.fhsu.edu/kams/curriculum>

By the Numbers:

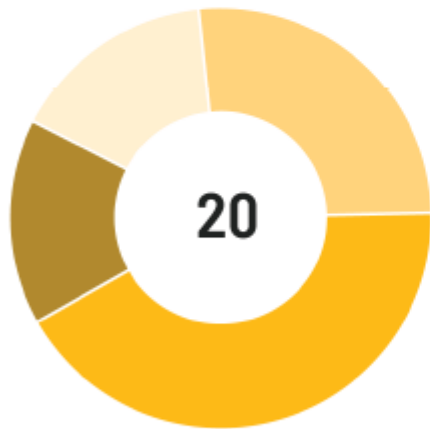
KAMS/AMS Class of 2023 – Total of 20 graduating/completing seniors this year.

2022-2023 ENROLLMENT



ENROLLMENT (JUNIORS)

- (4) AMS Female
- (2) AMS Male
- (3) KAMS Female
- (6) KAMS Male



ENROLLMENT (SENIORS)

- (3) AMS Female
- (3) AMS Male
- (5) KAMS Female
- (9) KAMS Male

Total Enrollment: **40 students**

Countries Represented: **United States, China, South Korea**

Students from U.S. Rural Cities and Towns: **19**

Students from U.S. Metropolitan Cities: **9**

SAMPLE COURSE PROGRESSION

JUNIOR YEAR

Fall Semester	Spring Semester
Pre-Calculus	Calculus I
*Principles of Biology + Lab	*Chemistry I + Lab OR University
OR *Human Biology + Lab	Chemistry I + Lab
English Composition I	English Composition II
U.S. History Before 1877	U.S. History After 1877
Earth, Space, Science Research & Writing	Departmental Research & Writing
Research Seminar	
17 Credit Hours	16-18 Credit Hours

SENIOR YEAR

Fall Semester	Spring Semester
Calculus II	American Government
*Physics I + Lab OR	Computer Science Elective
Engineering Physics I + Lab	STEM Elective
STEM elective	Social Studies Elective
Departmental Research & Writing	Elective course of interest
14-16 Credit Hours	Departmental Research & Writing
	14-16 Credit Hours

**FLEXIBLE PATHWAYS: Our course schedule provides students with a choice of an academic pathway that is related to their anticipated academic program and/or career of choice. Students are given the option to complete more rigorous coursework in their desired discipline based on their background, previous knowledge, and academic interest.*



SCAN TO VIEW
SAMPLE CURRICULUM

SAMPLE STEM ELECTIVE OPTIONS

COMPUTER SCIENCE

Foundations of Computing
Object-Oriented Programming
Java Programming

APPLIED TECHNOLOGY

Intro to Computer Aided Drafting
Intro to STEM Applications

BIOLOGY

Botany
Zoology
Microbiology

CHEMISTRY

University Chemistry II + Lab
Organic Chemistry I & II + Lab

GEOSCIENCE

Climatology
Elementary Meteorology
Intro to GIS

MATHEMATICS

Elements of Statistics
Linear Algebra
Differential Equations

PHYSICS

Engineering Physics II + Lab
Analog & Digital Electronics
Modern Physics

Depending on the student's area(s) of interest, they have the option to take other FHSU elective courses, as needed.

University Acceptance List, as of 3.24.23

Fort Hays State University
Iowa State University
Kansas State University
Manhattan College
Marquette University
North Carolina Central University
Pennsylvania State University
Purdue University
Queens University of Charlotte
Rutgers University-New Brunswick
Rutgers University-Newark
Southwestern College
St. John's College, Annapolis
St. John's College, Santa Fe
Temple University
University of Arkansas
University of California–Riverside
University of California–San Diego
University of Colorado Boulder
University of Detroit Mercy
University of Illinois Urbana-Champaign
University of Kansas
University of Minnesota
University of Nebraska-Lincoln
University of Nevada-Las Vegas
University of New Mexico
University of North Carolina-Charlotte
University of North Carolina-Greensboro
University of Oklahoma
University of the Pacific Northwest
Washburn University
Washington University-St. Louis
Wichita State University
Winthrop University

KAMS/AMS

NEWSLETTER



Left to right: KAMS Junior Tuley Gilliland being greeted at move-in by KAMS Senior Ryan Swafford, KAMS/AMS Graduate Assistant Les Mackey, Assistant Director Sherri Matlock and Administrative Specialist Angela Moore.

TIGERS WITH NEW STRIPES

KAMS/AMS welcomes our Class of 2024 with excitement. The program welcomes the brightest and most motivated to get an early start on their path in higher education. Our new juniors hail from as far northeast as Kansas City, as far west as Dighton, and as far south as Maple City. With various backgrounds and interests, our juniors are quite an amazing bunch. In addition, we have new AMS students that bring further diversity as they come from China and South Korea.

Having witnessed the accomplishments of past classes in the fields of STEM and beyond, we look forward to seeing what these capable minds will devise.

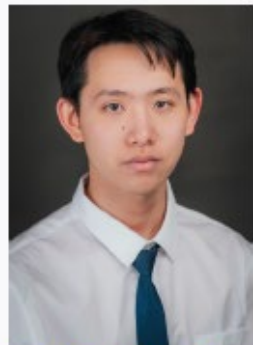
So often we hear phrases stating that the youth of today are the crafters of tomorrow. We as a staff, along with the entire faculty of Fort Hays State University look forward to providing the tools to these students to bring change in the future.



Sherri Matlock instructing new juniors on how to access messages for future campus and KAMS/AMS events.



Parents and new students listened to presentations by our staff on expectations and the aid KAMS/AMS provides.



Special thanks to our returning seniors who welcomed the incoming junior class!
Left to Right: Anniston Anderson, Kadrian Ayarza, Ryan Swafford, and Muyang "Hanson" Xu



Director Will Burns welcomes back the seniors at the first colloquia of the year.

PREPARING FOR TOMORROW

Junior Seminar and Senior Colloquia provide a variety of information to our students. These sessions include life skills such as resume building, applying for scholarships, and what is needed to stand out from the crowd in academics, work, and life. Guest research speakers will consist of Fort Hays State University professors from across different academic departments.

For Seniors

- Be on the lookout for volunteer opportunities to bolster your resume.
- Attend college prep nights: September 14th, 21st, and 28th in the Tiger's Den.
- Keep updating your student profile e-file.
- Stay on track with grades and extracurricular activities: Don't slack off! Colleges look into what you have done your senior year too!
- Write essays for applications.
- Retake the ACT/SAT at least once, perhaps twice depending on the score.
- Create a calendar detailing deadlines for admission, financial aid, and scholarships.
- Make and keep deadlines, don't rush!
- Keep healthy in all aspects of life.

For Juniors

- Look into undergraduate research experience opportunities across the FHSU campus and beyond.
- Make use of the tools and skills you receive through Junior Seminar to be successful academically.
- Get involved with campus clubs and activities.
- Make connections with current seniors and professors.
- Create a healthy schedule balancing academics and personal life.
- Look into tutoring early, don't wait until it's too late.
- Take information on self-care and wellness topics to heart, we want you to succeed!



Yun "Laurinda" Lan and Joshua Gage watch as the tower falls on Mark Hamrick. So close, but congratulations on building the tower almost double its original height!



Director Will Burns welcoming new students to both the Lawn Games and their first night in Custer Hall, their home away from home for the next two years.

WELCOME ON THE LAWN

Wednesday, August 17th happened to be relatively cool. A stroke of luck for both the new KAMS Juniors and their parents' who helped move the students into Custer Hall. After a busy day of moving in and attending orientation, KAMS/AMS staff and a team of seniors invited the juniors to relax with some games on the lawn in front of Custer Hall. Students, new and old, were able to socialize and compete with games such as super-sized Jenga, washers, cornhole, and ladder toss. We hope this is the start of new friendships that last a lifetime and the many miles the students will travel.



Left to right: Juniors Audrey Caleb, Yves Shapland, Lyric Yost, Joshua Gage, Elijah Beauchamp, Mark Hamrick, Krish Patel, and Lawson Riecke.



Left to right: KAMS Juniors Tuley Gilliland, Hazel Frans, AMS Junior Letao "Lottie" Chang, KAMS Senior Kadrian Ayarza, & AMS Junior Yun "Laurinda" Lan.

Follow Us On Social Media: facebook.com/FHSUKAMS, [instagram](https://instagram.com/kams_fhsu) and [twitter: kams_fhsu](https://twitter.com/kams_fhsu)



KAMS students Hazel Frans, Isak Smith, Gideon Fox, and Emma Cohn stop to paint rocks in Niche as they make their way through the Hays Downtown Art Walk.

EVENING ON THE BRICKS

One of the perks of the Fort Hays State University campus is how close it is to quaint downtown Hays, KS. Throughout the year events are held 'On the Bricks' which the area is fondly called by the locals. On Friday, August 26th, many of our students were able to enjoy the sights and sounds of the 37th Annual Fall Art Walk.

Organized by The Hays Arts Council, local downtown businesses open their doors to become galleries for artists from all over the state. The various styles of art range from traditional to modern. The means of expression coming in just as many forms from canvas, photography, sculpture, and paper. Our students are always so expressive and we hope they found their own sources of inspiration from their time On the Bricks.



Holding up a rock, labeled "rock", KAMS Senior Gideon Fox displays his newest piece of art in hopes of contributing to the art gallery in Niche!



AMS Junior Yun "Laurinda" Lan played the cello with the Hays Symphony Orchestra.

Students! The pictures from the Art Walk were taken by KAMS Senior Kadrian Ayarza.

You are always welcome to submit pictures to the KAMS/AMS staff to be featured on our various social media accounts and the monthly newsletter. We'd love to share and celebrate your accomplishments and the activities you take part in.



Mississippi Kites have invaded campus, keep your eyes on the sky!

Duck not duck!

New Weekly Wellness:

Breathe Break at Breathe Coffee House is bi-weekly on Wednesdays from 5pm to 6pm. On the off weeks (Wednesdays from 4:30pm to 5:30pm) in Custer Lounge or at the picnic table in front of Custer (weather permitting). Breathe Break gives the students the opportunity to interact with their peers, enjoy some refreshments and snacks, and to have a break from busy academic and work schedules.

Another activity that is bi-weekly on Thursdays from 3:15pm to 4:15pm are the Self-Care Sessions. This event is located in the Tigers Den of Custer Hall and every other week throughout the semester.

KAMS/AMS hopes that students join these activities to focus on their mental, physical, and social health.



A mixture of juniors and seniors relax with games and drinks in the basement of Breathe Coffee House.

HEAR US ROAR!



WELCOME!

Les Mackey is the Graduate Assistant for KAMS and AMS this coming year. He hails from Kentucky and completed his undergraduate degree from Eastern Kentucky University. Les will be working on his graduate degree here at FHSU, in Higher Education Student Affairs (HESA).

Welcome to the KAMS/AMS and FHSU "family", Les!

Wednesday, September 14th is the deadline to register to compete in Math Madness and the American Mathematics Competition

Reminders:

New Night Away Form Links for KAMS & AMS:

<https://www.fhsu.edu/kams/night-away/>

Please submit these forms for your student 48 hours in advance.

Enjoy Labor Day and remember no classes on September 5!

KAMS/AMS

NEWSLETTER



Kyron Saunders

VIP STUDENT AMBASSADORS

We are pleased to announce that two KAMS Seniors have been selected as VIP Student Ambassadors for Fort Hays State University. As members of this prestigious group of student leaders, Kyron Saunders and Anniston Anderson, will represent Fort Hays State University at official campus events, under the direction of the FHSU Office of the President.

Congratulations Kyron and Anni!



Anniston Anderson

CUSTER HALL COUNCIL

Congratulations to the students that have been voted by their peers into positions in the Custer Hall Council!

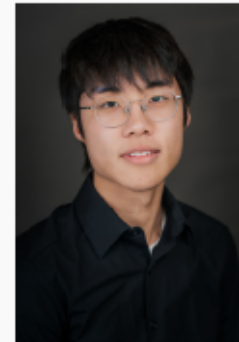
The Custer Hall Council is tasked with planning, preparing, and hosting events for the KAMS/AMS students residing in Custer Hall.



KAMS Senior: Ryan Swafford
President



KAMS Senior: Isak Smith
Vice President



AMS Senior: Sanghoon Lee
Secretary



KAMS Junior: Elijah Beauchamp
Treasurer



KAMS Senior: Jay Jarboe
Programming Chair



KAMS Senior: Gideon Fox
RHA Representative



AMS Junior: Seung Hyeok 'Jin' Jang, RHA Representative



KAMS Junior: Hazel Frans
3rd Floor Representative



Director Will Burns was a guest for Kadrian Ayarza's KFHS radio podcast ran by the Tiger Media Network.

HEAR OUR ROAR

Written by KAMS Senior Kadrian Ayarza: My podcast varies in content by the week, but the main focus is veered toward STEM topics, KAMS students' experiences, and research. Every show features different guest speakers: professors with research, past/current KAMS staff, and past/current KAMS students. The intention is to bring attention to the program and give students pride in what they're doing here. Meanwhile, adding flair to the radio world as I don't see many STEM themed shows and we should be proud to show off what we've got! If you want to give Kadrian a listen, you can catch her 1 p.m. broadcast every Thursday by going to [TuneIn.com](https://www.tunein.com) and searching for [KFHS radio station](#), which is ran by Tiger Media Network here at FHSU.



Dr. Paul Adams presents at The Venue.

KAMS/AMS DINNER

A number of our students joined the KAMS/AMS staff for dinner at Thirsty's and afterwards attended the FHSU Science and Mathematics Education Institute Science Café. The presentation, was on NASA's first planetary defense mission: Double Asteroid Redirection Test (DART) given by Dr. Paul Adams.

Mark your calendars for the next Science Café! The date is October 24, at 7:00 pm at The Venue at Thirsty's. The topic is "Dive into Hell's Aquarium: Uncovering marine ecosystems during the Age of Dinosaurs".



Left to Right: KAMS Juniors Abigail Amend, Hazel Frans, KAMS Seniors Ryan Swafford, Karidan Ayarza, Isak Smith, and KAMS Counselor Alisha Otter.



Left to Right: TMP-M Boarder Thien Nguyen and AMS Junior Binyu 'Lawrence' Yan.

WELCOME TO THE TEAM!

Heather Hampton joined the KAMS/AMS team as the Coordinator for Marketing and Recruitment in September 2022. Heather completed a Bachelor's degree in Organizational Leadership from Fort Hays State University. Through a foreign exchange program offered by FHSU Heather attended the University of Westminster and the American Intercontinental University in London, England as well as completing an internship with L'Oreal. Heather recently relocated back to her hometown of Hays, America from Windsor, England where she has been living and working for the past 15 years. Heather has spent the past 5 years working in the Education sector in England with a focus on marketing and student engagement.

KAMS PREVIEW DAY
Saturday, October 22, 2022
To register and view an event schedule, visit www.fhsu.edu/KAMS





FHSU HOMECOMING EVENTS!

Tiger Bonfire: Thursday, October 6th, at 7:00 pm at the Robbins Center Lawn
Custer Hall Council Food, Games, & Fun: Friday, October 7th, 11:30 am-1:30 pm on the Custer Hall Lawn
Parade: Saturday, October 8th, at 11:00 am on The Bricks in Downtown Hays
Football Game: Saturday, October 8th, 7:00 pm at Lewis Field Stadium

Go Tigers!

CHEER FOR VICTORY!!!
CHEER WITH VICTOR E!!!



Left to Right: KAMS Junior Joshua Gage, KAMS Seniors Jay Jarboe, Quinton Shepard, Gideon Fox, Kyron Saunders, Isaac Knight, and Dayne Locke.

BOARD GAME & PIZZA NIGHT

What more could you ever want? On Friday, September 23, Custer Hall CA Brett Anderson hosted a night of fun and food for the residents of Custer Hall. With puzzles, Scrabble, and other games that challenge the mind, the students were able to both relax and test wits against each other.

EARLY BIRDS

Some of our KAMS/AMS Seniors have already received early acceptance to the following universities:

- Fort Hays State University
- University of Kansas
- Washburn University
- Southwestern College

During Application Work Nights with Assistant Director Sherri Matlock, students have been working on resumes, student profiles, application materials, research on universities and scholarship opportunities.

We looked forward to seeing more early admissions roll in from universities from all across the nation. Our seniors will have to think hard on which university will have the privilege of helping further their education after they complete KAMS in May.



Left to Right: KAMS Senior Kadrian Ayarza, AMS Senior Muyang "Hanson" Xu, KAMS Seniors Anniston Anderson and Ryan Swafford wrote down the early admissions they've received.

Follow Us On Social Media: facebook.com/FHSUKAMS, [instagram](#) and [twitter: kams_fhsu](#)



Left to Right: KAMS Junior Lawson Ricke, KAMS Senior Gideon Fox, AMS Senior Kaijie "Jacky" Wen, KAMS Seniors Quinton Shepard and Isaac Knight.

TEE-RIFIC TIME

Our students are incredibly hard working in the many different realms that make up their lives here at Fort Hays State University.

Director Will Burns took students to Precision Valley for a round of mini-golf to celebrate the first three weeks of the semester. This event provided the opportunity for our new juniors to mingle with returning seniors.



Left to Right: KAMS Senior Adam Vincent, KAMS Juniors Yves Shapland and Elijah Beauchamp.



STUDENT SUCCESS

BUILDING THE FUTURE

COMBINING PASSIONS WITH PROFESSIONAL CAREERS

A touching anecdote by KAMS Senior Griffin Davies from Holton, KS about his experience in KAMS:

"I think the biggest academic accomplishment I'm most proud of it just being in KAMS. I was lost before I came to this program. I was unmotivated in school because I felt like I wasn't learning anything useful and was just wasting my time sitting in a building where I was forced to learn at the same pace as everyone else when I knew I could be doing more. I started to feel like I didn't fit in with anyone anymore as well, as where I come from, the most important thing to the general consensus is sports and sports only. I knew that my life wasn't going to revolve around sports, as I knew I was meant for more. That's when I decided to come to KAMS. I was tired of being slowed down. I was tired of not living up to my full potential. I take pride in being in KAMS because I've pushed myself very hard in my academics and finding myself as well. I am proud of myself for what I'm doing here, and I know that I will appreciate my experience here for the rest of my life."



Left to Right: KAMS Juniors Kae Dees, Hazel Frans, KAMS Senior Ryan Swafford and KAMS Junior Abigail Amend.



Left to Right: KAMS Junior Yves Shapland, KAMS Senior Adam Vincent, KAMS Juniors Elijah Beauchamp and Mark Hamrick.

Social Media Update for KAMS/AMS

Follow Director Will Burns for more updates & pictures:

Twitter: @KAMS_AMS_Will

Facebook: Will Burns Kams Ams

Follow Us On Social Media: facebook.com/FHSUKAMS, instagram and twitter: kams_fhsu



Left to Right: AMS Senior Sanghoon Lee and KAMS Senior Ryan Swafford

Custer Hall Community Council participated in Safe Trick-Or-Treat at McMIndes Hall with a Halloween themed plinko board made by KAMS Senior Jay Jarboe.



KAMS Senior Isaac Knight



KAMS Senior Dayne Locke

Custer Hall Community Council hosted a pumpkin carving night. Students were able to display their creations on the steps of Custer Hall for all of campus to enjoy.



KAMS Senior Kadrian Ayarza



KAMS Junior Yves Shapland



KAMS Senior: Kyron Saunders

Students in Dr. Paul Adams research group traveled to Argonia KS to complete the required testing and flight testing to obtain level 1 certification for high powered rockets.



KAMS Senior: Dayne Locke



KAMS Senior: Gideon Fox



KAMS Senior: Adam Vincent



KAMS Senior: Quinton Shepard

Our KAMS and AMS Juniors taking the PSAT to qualify for the National Merit Scholarship.



KAMS Juniors Abigail Amend and Tuley Gilliland along with their peers taking the PSAT.



Custer Hall Community Council Left to right: Gideon Fox-RHA Representative, Kyron Saunders-4th Floor representative, Hazel Frans-3rd Floor Representative, Elijah Beauchamp-Treasurer, Isak Smith-Vice President, Ryan Swafford-President, Kadrian Ayarza-General Member, Jay Jarboe-Programming Chair, Seung Hyeok "Jin" Jang -RHA Representative, and Sanghoon Lee-Secretary.

Upcoming Dates

November 1 - University of Kansas Early Action Deadline

November 15 - Fort Hays State University Priority Application Deadline

November 19-27 - Fall Break No classes

December 1 - Kansas State University Priority Application Deadline

December 12-16 - Finals Week

REAL WORLD EXPERIENCES
HANDS ON RESEARCH
LEADERSHIP DEVELOPMENT



Left to Right: KAMS Junior Tuley Gilliland, KAMS Junior Hazel Frans, AMS Senior Muiyang "Hanson" Xu, KAMS Senior Kyron Saunders, and KAMS Junior Elijah Beauchamp speak on their experiences in the program.



Left to Right: KAMS Seniors Dayne Locke and Kyron Saunders talk about their rocket research and the advantages that the KAMS Program provides.

KAMS staff welcomed fifteen prospective students and families to campus for KAMS Preview Day. KAMS seniors Jay Jarboe, Dayne Locke, and Kyron Saunders presented. A student panel made up of current KAMS and AMS juniors and seniors answered questions about our program.



KAMS Senior Jay Jarboe displayed the robot that he and the VEX Robotics team designed and competed with.



KAMS/AMS Director Will Burns recently traveled to the Republic of Georgia. Will visited high schools across the capital of Georgia, Tbilisi, to spread the word about the unique opportunities that the Academy of Mathematics and Science offers. We are hoping to welcome our first students from Georgia very soon!



Left to Right: KAMS Juniors Joshua Gage, Audrey Caleb, Lyric Yost, and Mark Hamrick.

Students enjoyed a day of relaxing with a trip to Little Jerusalem Badlands State Park.



Left to Right: KAMS Juniors Audrey Caleb, Mark Hamrick, Lyric Yost, and Joshua Gage overlook the bluffs at the newest Kansas State Park.

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Director Will Burns with the KAMS/AMS Junior Class.

INTERNATIONAL
EDUCATION WEEK
#YOUAREWELCOMHERE



KAMS/AMS Staff with the Senior Class.



Left to Right: AMS Junior Letao "Lottie" Chang and AMS Senior Jiho Hong.



Left to Right: KAMS Senior Audrey Caleb and AMS Junior Yun "Laurinda" Lan.

International Education Week took place November 14th-17th. Multiple events took place during the week including a Food and Fashion Show. International students at Fort Hays State University brought the tastes of their home and wore traditional outfits for the event. Our students joined as both participants and volunteers. Joining KAMS/AMS gives the unique opportunity to meet people from all over the world.



Student Success

"THE KAMS PROGRAM HAS BEEN A WONDERFUL EXPERIENCE FOR ME. THE RESEARCH THAT I AM CURRENTLY PART OF WITH DR. PAUL ADAMS IS FOCUSED ON ROCKETRY. AT THE END OF THE SPRING SEMESTER, OUR GROUP WILL TRAVEL TO WISCONSIN FOR A NATIONAL ROCKETRY COMPETITION. YOUR EXPERIENCE HERE IS WHAT YOU MAKE IT."

GIDEON FOX
HIGHSCHOOL SENIOR IN THE KAMS PROGRAM @ FORT HAYS STATE UNIVERSITY

WWW.FHSU.EDU/KAMS

KAMS@FHSU.EDU

Upcoming Dates

December 1 - Kansas State University Priority Application Deadline

December 12-16 - Finals Week

Students must check-out within 24 hours of their last exam or by 5:00 p.m. Friday, if they have an exam that day.

December 23-January 2nd - KAMS/AMS Office will be closed.

Kansans may officially return to Custer Hall starting Sunday, January 15th. Curfew checks will resume on this night. If your student will not return by 11 p.m. on January 15th, please submit a Night Away Form via the KAMS/AMS



Left to Right: Graduate Assistant Les Mackey, KAMS Senior Gideon Fox, KAMS Juniors Abigail Amend, Joshua Cage, Yves Shapland, Kae Dees, Elijah Beauchamp, Lyric Yost, Audrey Caleb, and Director Will Burns.

Director Will Burns treated our students with a trip to the Hays AMC Theater to see *Wakanda Forever*. They were able to enjoy the movie in the company of friends and classmates. Be on the lookout for more events both on and off campus.



FORT HAYS STATE UNIVERSITY



John "Brody" Groves dropped off snacks and refreshments to encourage our current students.

The journey of our students does not simply end with the Completion Ceremony. Former KAMS students from the Class of 2022, John "Brody" Groves and Ellie Bultena are still connected to the program. Brody, who is now a traditional Fort Hays State University student majoring in Finance, dropped off snacks and drinks for our students, along with hosting some of our AMS students for Thanksgiving dinner. Ellie, a freshman at MIT, joined the Junior Seminar via Zoom to offer advice and speak on her experiences in KAMS. Her biggest piece of advice was to take every opportunity KAMS provides.



Ellie Bultena Zoomed into Junior Seminar to offer advice while at KAMS and talked about her life at MIT.



On November 14th, we enjoyed our first true hint that winter is coming. Snow gently drifted down onto campus. We are looking forward to seeing "The Fort" turn into a v

Custer Hall Community Council Events

Coming up:

December 1 -
Gingerbread House Decorating

December 7-
Hot Cocoa & Cram



From Our KAMS/AMS Family to Yours,
We Hope You Had a Wonderful Break

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NEWSLETTER



Left to Right: KAMS Juniors Kae Dees, Yves Shapland, and Elijah Beauchamp.

The first weekend of December was the annual Hays Arts Council Winter Art Walk in downtown Hays, KS. KAMS Juniors Elijah Beauchamp, Yves Shapland, and Lyric Yost helped as hosts at the open house at Studio 809. Kae Dees, Jay Jarboe, Adam Vincent, and Lyric Yost displayed their artwork for the public to see.



KAMS Junior Lyric Yost with one of her impressive drawings.



KAMS Senior Ryan Swafford with the house she made.

On December 1st, Custer Hall Community Council hosted a gingerbread house making event. Students were able to satisfy their sweet tooth while testing their creativity and ability in architectural design. The results were delicious!



KAMS Senior Isaac Knight



KAMS Senior Adam Vincent



Student Success

"KAMS PROVIDES AN ENVIRONMENT UNLIKE ANY OTHER. YOU LIVE WITH PEOPLE WHO ARE EQUALLY DRIVEN AS YOU, CREATING A UNIQUE DYNAMIC THAT CAN BREED SUCCESS. THE PROGRAM TEACHES YOU WHO YOU ARE, WHOEVER YOU CHOOSE TO BE."

DAYNE LOCKE
HIGH SCHOOL SENIOR IN THE KAMS PROGRAM @ FORT HAYS STATE UNIVERSITY

PERSEVERANCE ALWAYS DREAM BIG

Upcoming Dates

December 23-January 2nd
KAMS/AMS Office will be closed.

Kansans may officially return to Custer Hall starting Sunday, January 15th. Curfew checks will resume on this night. If your student will not return by 11 p.m. on January 15th, please submit a Night Away Form via the KAMS/AMS website.

IMPROVEMENT
ACHIEVEMENT



Left to Right: KAMS students Hazel Frans, Abigail Amend, Griffin Davies, Isaac Knight, Yves Shapland, Elijah Beauchamp, Adam Vincent, and Kyron Saunders.

Finals Week can be a stressful time for students as they push themselves to submit final projects and study for exams. The KAMS/AMS staff hosted a pop-up café in Custer Hall to help fuel our students to the finish line. Students were able to relax while enjoying snacks, hot cocoa, and cookies. Many took advantage of the space to get one last hang-out session with the friends in the program before heading home for winter break.

INNOVATION
MOTIVATION



Kyron Saunders & Dr. Paul Adams

KAMS Senior Kyron Saunders travelled with Dr. Paul Adams to Argonia, KS to launch high powered rockets. Both Kyron and Dr. Adams passed Level 2 Certification with the rockets they built.



Kyron Saunders and Dr. Paul Adams preparing to launch their rockets.

*From Our KAMS/AMS Family to Yours,
We Hope You Have a Wonderful Winter Break.
Happy Holidays!*



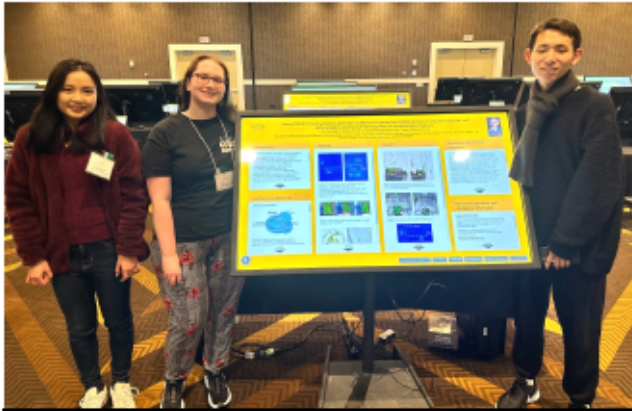
"I HAVE ENJOYED WORKING WITH KAMS STUDENTS OVER THE YEARS BECAUSE OF THE ENTHUSIASM AND ENERGY THEY BRING TO RESEARCH PROJECTS. I AM ALWAYS IMPRESSED WITH THE GROWTH IN THEIR ABILITIES IN SCIENCE AND ENGINEERING THROUGH THEIR KAMS EXPERIENCE."

DR. PAUL ADAMS
COLLEGE OF EDUCATION, DEAN
@ FORT HAYS STATE UNIVERSITY

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Right: AMS Seniors Muyang "Hanson" Xu with his poster presenting his research.

AMS Senior Muyang "Hanson" Xu presented his molecular biology research at the Kansas IDEa Network for Biological Research Excellence (K-INBRE) Symposium. The conference took place in Overland Park, KS in early January. Hanson's research topic is: Using CRISP Technology to Generate Mutations in Genes Encoding Proteins Required to Regulate Cell Differentiation During Leaf Development in Arabidopsis Thaliana.

ACHIEVEMENT
LIMITLESS

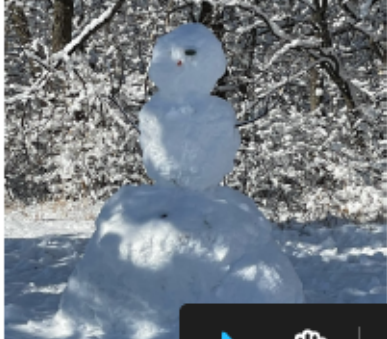


KAMS Senior Griffin Davies also attended the Kansas IDEa Network K-INBRE Symposium. He plans to continue the research he has started with Dr. James Balthazor as a traditional FHSU student after completing the KAMS program in May 2023.

2023 KAMS/AMS Senior University Acceptance list:
Fort Hays State University
Kansas State University
Marquette University
Pennsylvania State University
Rutgers University - New Brunswick
Rutgers University - Newark
Southwestern College
Temple University
University of Arkansas
University of Colorado Boulder
University of Detroit Mercy
University of Kansas
University of Minnesota
University of Nebraska - Lincoln
University of Nevada - Las Vegas
University of New Mexico
University of North Carolina - Charlotte
University of Oklahoma
University of the Pacific Northwest
Washburn University
Washington University - St. Louis
Wichita State University

Congratulations!

"Nothing is impossible. The word itself says, 'I'm possible!'"
-Audrey Hepburn
British Actress and Humanitarian



The Kansas winter has graced campus with a thick layer of snow. Some of our students made the best of it by building a snowman outside of Custer Hall.

OPTIMISTIC



Left to Right: AMS Senior Muyang "Hanson" Xu, AMS Juniors Mianjun "Selina" Shang, Gyuri "Sarah" Park, and Binyu "Lawrence" Yan.



Students and KAMS/AMS staff enjoyed a meal together at Thirsty's. Left: KAMS Junior Mark Hamrick, Assistant Director Sherri Matlock, AMS Seniors Zichun "Amanda" Su and Jiayin "Jennie" Wang. Right: KAMS Juniors Elijah Beauchamp, Yves Shapland and Administrative Specialist Angela Moore.

Over Winter Break, KAMS/AMS Administrative Specialist Angela Moore hosted AMS students for a meal on Christmas day with her family. These students from China and South Korea were able to enjoy a mixture of both traditional and unique dishes. The biggest hit was walnut fudge that is a Moore Family recipe.



KAMS Junior Lyric Yost, making a paper lantern at the Chinese Lunar New Year celebration in the Memorial Union. The celebration included dumpling making, crafts, a dragon dance and other activities.

MOTIVATION

KAMS Senior Cosmo Jarboe and KAMS Juniors Audrey Caleb & Yves Shapland took part in the North American Computational Linguistics Open Competition (NACLO).



Junior Yves Shapland attentively listens to Dr. Matthew Clay, FHSU Teacher Education, at the first Science Café of the semester. Dr. Clay presented on: "Engaging Students with Earth Systems Remotely Using 360 Videos". Yves is excited about doing her KAMS' research under Dr. Clay.



KAMS Completer, Class of 2022 Ellie Bultena, who is now attending Massachusetts Institute of Technology (MIT) is a member of the Program Committee for this year's NACLO.



Left to Right: Dr. Matthew Clay and KAMS Junior Yves Shapland at the

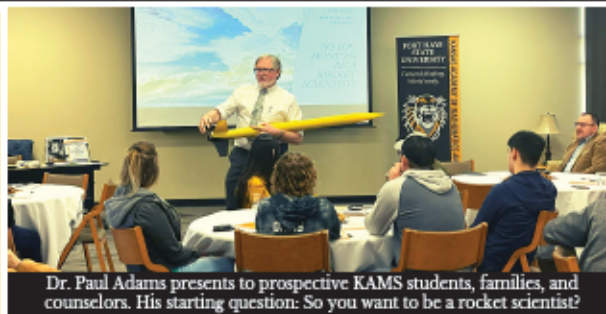
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Left to Right: KAMS Juniors Hazel Frans, Abigail Amend, KAMS Seniors Gideon Fox, and Griffin Davies grabbing a snack.

KAMS-AMS Staff treated our students to a Super Bowl themed party. Students got to enjoy some of the classics such as little smokies, buffalo chicken dip, chips, cookies, and nachos.

ACTUALIZATION



Dr. Paul Adams presents to prospective KAMS students, families, and counselors. His starting question: So you want to be a rocket scientist?

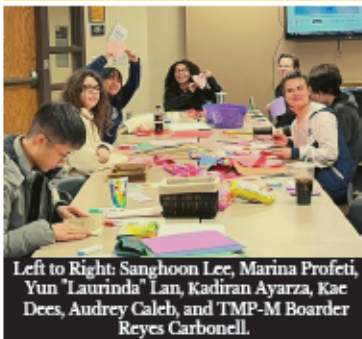
KAMS welcomed students from USD 259 school district for a tour of campus and presentations from various departments at FHSU. Special thanks to our current KAMS students that helped with the tours and Q & A panel.

*Seniors: Ryan Swafford, Anniston Anderson, Kyron Saunders, & Kadrian Ayarza
Juniors: Yves Shatland & Hazel Frans*



KAMS Junior Emma Cohn received an award of recognition from the FHSU Athletics Department for achieving academic excellence while being a member of the Fort Hays State University Pep Band.

Congratulations to KAMS Junior, Elijah Beauchamp, on placing 2nd in Java programming in the Kansas Business Professionals of America's competition. Elijah also placed in the top 10 for Information Technology and Computer Programming Concepts. Good luck in the upcoming national competition!



Left to Right: Sanghoon Lee, Marina Profeti, Yun 'Laurinda' Lan, Kadrian Ayarza, Kae Dees, Audrey Caleb, and TMP-M Boarder Reyes Carbonell.

The Custer Hall Community Council hosted a Valentine's Day Craft Night. Students made Candygram style Valentine's Day cards for not only their friends, but for staff and faculty as well.

- 2023 KAMS/AMS Senior University Acceptance list:**
- Fort Hays State University*
 - Iowa State University*
 - Kansas State University*
 - Marquette University*
 - North Carolina Central University*
 - Pennsylvania State University*
 - Rutgers University - New Brunswick*
 - Rutgers University - Newark*
 - Southwestern College*
 - St. John's College, Annapolis*
 - St. John's College, Santa Fe*
 - Temple University*
 - University of Arkansas*
 - University of Colorado Boulder*
 - University of Detroit Mercy*
 - University of Illinois Urbana-Champaign*
 - University of Kansas*
 - University of Minnesota*
 - University of Nebraska - Lincoln*
 - University of Nevada - Las Vegas*
 - University of New Mexico*
 - University of North Carolina - Charlotte*
 - University of Oklahoma*
 - University of the Pacific Northwest*
 - Washburn University*
 - Washington University - St. Louis*
 - Wichita State University*

Congratulations!

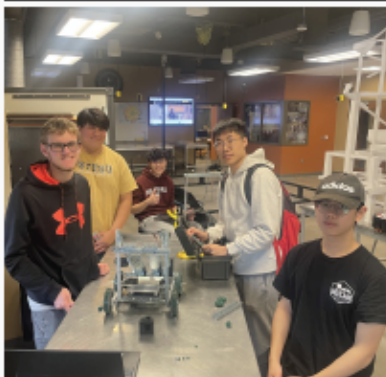


KAMS-AMS Seniors get ready for their close-ups!

KAMS-AMS Juniors and Seniors recently had their yearly headshots taken. Seniors had their pictures done in graduation caps and gowns. Look forward to seeing these pictures displayed in KAMS-AMS Completion Ceremony, which takes place on Saturday, May 6th. Please save the date!



KAMS Quinton Shepard

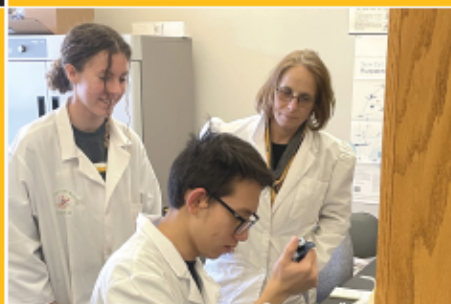


Left to Right: Mark Hamrick, FHSU student Abdriel Trejo, Kaijie Wen, Sanghoon Lee, Seung Hyeok Jang. Not pictured: Marina Profeti.

From Zachary Pixler, the instructor aiding our students in their robotics research: "We are competing at the ITEEA (International Technology & Engineering Education Association) National Conference in Minneapolis, MN, April 12-15.

This group of students work very diligently when we meet once a week! They were given the prompt in the form of the competition rule book and set out to design and build a competitive robot! I'm looking forward to watching them compete at the national level with our TEECA (Technology and Engineering Education Collegiate Association) club!"

KAMS Junior Hazel Frans and AMS Senior Muyang "Hanson" Xu are doing their program research with the FHSU Biology Department. Hanson's research is using CRISPR/Cas9 to mutate proteins that are involved in plant leaf stem cell proliferation. With the same technology, Hazel Frans and KAMS Senior Isaac Knight (not pictured) are researching the asymmetrical leaf gene (AS2).



Hazel Frans, Muyang "Hanson" Xu, and Dr. Tara Phelps-Durr.



Left to Right: Lyric Yost, Lawson Ricke, Kyle Wasinger, Binyu Yan, and Brandt Hagen.

From Joseph Chretien, the instructor aiding our students in their Electric Vehicle App & Design research: "This is a special group of students. They are currently working on their SACAD posters. They also take time to work on the cars to get them ready for our races.

Soon we will be practicing driving in preparation for our races. Some were here last semester to have a hand in designing our new car and they will be working on that one also as the semester progresses." www.kansaelectrorally.org/upcoming-events

Fall 2022 Dean's Honor Roll

- Abigail Amend*
- Anniston Anderson*
- Elijah Beauchamp*
- Audrey Caleb*
- Gideon Fox*
- Hazel Frans*
- Tuley Gilliland*
- Mark Hamrick*
- Jiho Hong*
- Cosmo Jarboe*
- Yun Lan*
- Sanghoon Lee*
- Dayne Locke*
- Gyuri Park*
- Lawson Ricke*
- Kyron Saunders*
- Yves Shapland*
- Zichun Su*
- Ryan Swafford*
- Adam Vincent*
- Kaijie Wen*
- Lyric Yost*

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Left to Right Top Row: Griffin Davies, Adam Vincent, & Gideon Fox
 Left to Right Bottom Row: Kae Dees, Yves Shapland, Isaac Knight, Quinton Shepard, Kyron Saunders, Joshua Gage, Abigail Amend, Mark Hamrick, Hazel Frans, Elijah Beauchamp, Dayne Locke, & Audrey Caleb.

KAMS/AMS Director Will Burns is pleased to announce that the KAMS Spring Break Research Trip reached new heights of success! Students visited a variety of places in Colorado. They went to the Garden of the Gods, for a hike and to further develop an appreciation of the natural wonders of our world. Cheyenne Mountain Zoo, which is rated as the third best zoo in the country. Cosmo's Magic Theater, to learn slight of hand and the psychology behind close-up magic. Meow Wolf had our students grow an appreciation for an immersive art experience. Manitou Cliff Dwellings to experience ancient culture. The Cave of the Winds and Pike's Peak were *cool* experiences as well.

SPRING BREAK

University Acceptance list:

- Fort Hays State University*
- Iowa State University*
- Kansas State University*
- Manhattan College*
- Marquette University*
- North Carolina Central University*
- Pennsylvania State University*
- Purdue University*
- Queens University of Charlotte*
- Rutgers University-New Brunswick*
- Rutgers University-Newark*
- Southwestern College*
- St. John's College, Annapolis*
- St. John's College, Santa Fe*
- Temple University*
- University of Arkansas*
- University of California-Riverside*
- University of California-San Diego*
- University of Colorado Boulder*
- University of Detroit Mercy*
- University of Illinois Urbana-Champaign*
- University of Kansas*
- University of Minnesota*
- University of Nebraska-Lincoln*
- University of Nevada-Las Vegas*
- University of New Mexico*
- University of North Carolina-Charlotte*
- University of North Carolina-Greensboro*
- University of Oklahoma*
- University of the Pacific Northwest*
- Washburn University*
- Washington University-St. Louis*
- Wichita State University*
- Winthrop University*

Congratulations!

Students rode the Manitou Cog Railway up to the top of Pike's Peak. With the wind chill it was -12 F at the top!



Left to Right: Adam Vincent, Kyron Saunders, Gideon Fox, Quinton Shepard, and Abigail Amend.



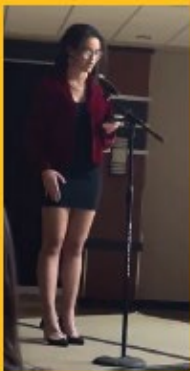
At the Cave of the Winds, students learned its history including how it was discovered and the geological formations within it.



KAMS Senior Kadrian Ayarza is a member of the Black Student Union at FHSU. The following was written by her:

The Black Student Union collaborated with a lot of different organizations to host a banquet to celebrate Black History Month on February 23rd. The members and I dedicated a lot of time and hard work toward the event since around October when the idea came to light. We made arrangements with FHSU's American Democracy Project, Student Engagement, Arts for Social Change, the Creative Arts society, Forsyth Library, and Smokehouse BBQ to pull the event together.

It was a lot of work but, in the end, we had over 100 people attend and I was super happy with the turnout! Some of the members and I shared poems and stories about our experiences as black students in the Midwest.



The KAMS-AMS Completion Ceremony will take place on Saturday, May 6th. The event will be hosted in the FHSU Memorial Union Ballroom at 11 AM. If you can't join us in person, you will also be able to join us in celebrating our students via livestream on Facebook.

Please save the date!



KAMS-AMS Prom will take place April 29th. It will be organized by the Custer Hall Community Council and have an Enchanted Forest theme.



The Special Olympic team that Ryan helped coach placed 4th at the state tournament. Congrats!

ENGAGEMENT



Guests at the Black Student Union Banquet for Black History Month.



Anniston Anderson at a Night to Shine with one of the athletes she coached with the Special Olympics.

March is National Disabilities Awareness Month. March 21st is World Down Syndrome Day, on this day you can show your support of individuals with down syndrome by wearing crazy socks. KAMS Seniors Kadrian Ayarza and Anniston Anderson volunteered at Night to Shine which is an event sponsored by the Tim Tebow Foundation to give people with intellectual and developmental disabilities an opportunity to have fun and parents of people in the IDD community to relax. Our students also helped with the Special Olympics Kansas tournament that took place all over Hays during the weekend of March 17th.

KAMS Senior Anniston Anderson is putting on a Cornhole Tournament on April 1st from 10:00 AM- 1:00 PM at the ARC Park. This is a community project for a leadership class in collaboration with the Arc of Central Plains. Participants will receive a free lunch and T-Shirt. Sign up in teams of 2-4 or sign up to be paired with members of the IDD (Intellectual and Developmental Disabilities) community. Come spend the day competing in a bracket for prizes and building new friendships!

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FULFILLMENT

A huge congratulations to KAMS Senior Kyron Saunders, who has been selected as a 2023 Kansas Governor's Scholar! For the past 40 years, this program has been recognizing the top academic one percent of Kansas high school seniors. Scholars are selected from accredited public and private schools in the state.



MOMENTUM

2023 KAMS/AMS Senior University Acceptance list:

- Fort Hays State University*
- Iowa State University*
- Kansas State University*
- Manhattan College*
- Marquette University*
- North Carolina Central University*
- Ohio State University*
- Pennsylvania State University*
- Purdue University*
- Queens University of Charlotte*
- Rutgers University-New Brunswick*
- Rutgers University-Newark*
- Southwestern College*
- St. John's College, Annapolis*
- St. John's College, Santa Fe*
- Temple University*
- University of Arkansas*
- University of California-Riverside*
- University of California-San Diego*
- University of Colorado Boulder*
- University of Detroit Mercy*
- University of Illinois Urbana-Champaign*
- University of Kansas*
- University of Minnesota*
- University of Nebraska-Lincoln*
- University of Nevada-Las Vegas*
- University of New Mexico*
- University of North Carolina-Charlotte*
- University of North Carolina-Greensboro*
- University of Oklahoma*
- University of the Pacific Northwest*
- Washburn University*
- Washington University-St. Louis*
- Wichita State University*
- Winthrop University*



Congrats to KAMS Junior Hazel Frans for being chosen to be a FHSU 2023-2024 VIP Ambassador. Hazel was also selected as a KC Scholar Winner. The KC Scholars Traditional 11th Grade Scholarship is worth up to \$50,000.

Congrats to KAMS Junior Tuley Gilliland for being chosen to be a FHSU 2023-2024 VIP Ambassador.



Left to Right: CHCC President Ryan Swafford and CHCC Vice President Kadrian Ayarza explain the rules of the egg hunt.

The Custer Hall Community Council hosted an Egg Hunt for the residents of the hall. Delicious prizes of candy and chocolate went to the winners.

Congratulations!



Right to Left: AMS Junior Seung Hyeok "Jin" Jang, FHSU traditional student Abdiel Trejo, and KAMS Junior Mark Hamrick show off their robot.



Left to Right: Seung Hyeok "Jin" Jang, Mark Hamrick, Mr. Zachary Fixler, and Joshua Gage.



Left: KAMS Junior Joshua Gage in the projected videos showcasing their research.

Three of our students took part in the National Technology and Engineering Education Collegiate Association (TEECA) competition in Minneapolis, Minnesota on April 13, 2023.

KAMS junior Joshua Gage competed in the TEECA Manufacturing Competition with other Fort Hays State University students. His group placed 2nd in this competition. The picture on the bottom right shows the video of them manufacturing their product. This was a Battleship recreation made out of oak wood, leather, acrylic, and metal latches.

AMS junior Seung Hyeok "Jin" Jang and KAMS junior Mark Hamrick, and Fort Hays State University traditional student Abdiel Trejo competed in the TEECA Robotics Competition.

Their team placed 5th in this competition. We applaud our students for their hard work and research. They held their own as they competed against students from the following schools: Pittsburg State University in Pittsburg, KS, SUNY Oswego OTEA in Oswego, NY, Brigham Young University in Provo, UT, Purdue University in West Lafayette, IN, and The College of New Jersey in Ewing Township, NJ.



AMS Senior Jiayin "Jennie" Wang



AMS Senior Zichun "Amanda" Su

Two of our AMS Seniors, Jiayin "Jennie" Wang and Zichun "Amanda" Su traveled to Albuquerque, New Mexico with the FHSU Psychology Department for the Rocky Mountain Psychological Association conference. Attendees presented their research and had a chance to network and learn from experts in the field. The title of the research Jiayin and Zichun presented is Social Media and Mental Health: The Impact of FoMO and Personality Traits.



First Row Right to Left: Jiayin "Jennie" Wang & Zichun "Amanda" Su



Left: KAMS Senior Kadrian Ayarza at the event.



Left: KAMS Senior Anniston Anderson presenting at the tournament.

The first annual ARC Cornhole Tournament was a great success! KAMS Senior, Anniston Anderson, was part of a FHSU Leadership 310 team who took charge & organized this community event.

Several people and organizations generously contributed resources, including the Arc of the Central Plains, to help make the day possible and such an awesome event for all!

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Left to Right: Hazel Frans, Tuley Gilliland, Audrey Caleb, Letao "Lottie" Chang, and Dr. William Weber
Elijah Beauchamp (Not Pictured)

This year, 5 students received the Frances E. Shockley KAMS scholarship for \$300. KAMS juniors Hazel Frans, Tuley Gilliland, Audrey Caleb, Elijah Beauchamp, and AMS junior Letao "Lottie" Chang were the lucky recipients of this scholarship.

KAMS-AMS Senior FHSU Transcript Request Instructions
Go to the following link: <https://tsorder.studentclearinghouse.org/school/select>
Fill out form and send it to the universities of your choice. There is no charge for your first three transcripts if you are a registered student. Seniors can order the transcripts before the end of the semester and select to have them mailed out after final grades for the Spring 2023 semester have been added.



KAMS/AMS students who are part of the Electric Vehicle & Design research participated in the Kansas Electro Rally car race that took place in Hays, KS. Kansas high school teams raced the electric cars that they designed and built. KAMS junior Lyric Yost reported that the team's yellow car reached 47 laps in this race, which is the highest it's achieved all year!



Left to Right: Mr. Joseph Chretien, AMS Junior Binyu "Lawrence" Yan, KAMS Juniors Lyric Yost, Lawson Ricke, Kyle Wasinger, and KAMS Senior Brandt Hagen.



Students taking a break from the dance floor played chess and chatted at prom.



KAMS-AMS students and their guests before heading into the FHSU Memorial Union for prom.

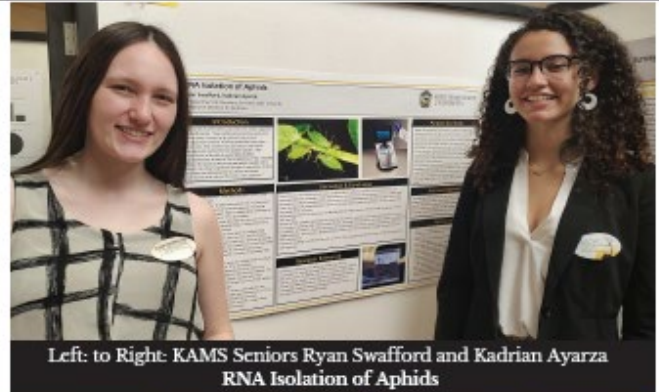
The KAMS-AMS 2023 Prom curated by the Custer Hall Community Council was a roaring success. Students enjoyed a night of dancing, refreshments, and fun. KAMS senior Kadrian Ayarza and AMS senior Jiho Hong were selected by popular vote by their peers to be this year's prom royalty.



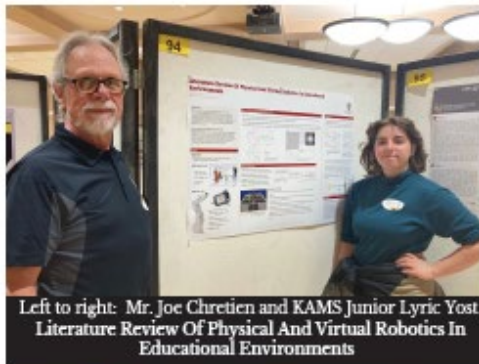
Left to Right: KAMS Senior Kadrian Ayarza and AMS Senior Jiho Hong

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This year marked the 18th annual John Heinrichs Scholarly and Creative Activities Day, (SACAD). This event celebrates research, scholarship, and creative works of FHSU faculty, staff, and students. SACAD serves as an opportunity to learn about scholarship and creative activities both on and off campus. This year, KAMS Seniors Ryan Swafford and Kadrian Ayarza earned 1st Place in Undergraduate Non-Empirical Posters. Their research was titled: RNA Isolation of Aphids. This research, along with so many of our students' efforts, may lead to changes in not only Kansas or the United States of America, but worldwide.



Left to Right: KAMS Seniors Ryan Swafford and Kadrian Ayarza
RNA Isolation of Aphids



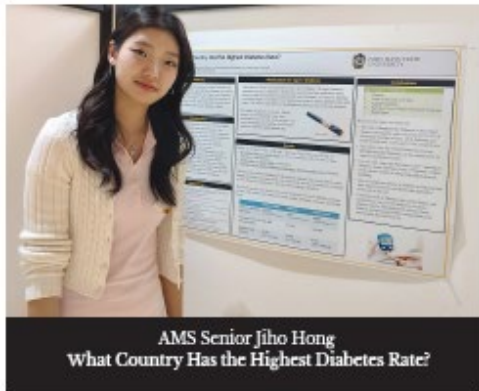
Left to right: Mr. Joe Chretien and KAMS Junior Lyric Yost
Literature Review Of Physical And Virtual Robotics In Educational Environments



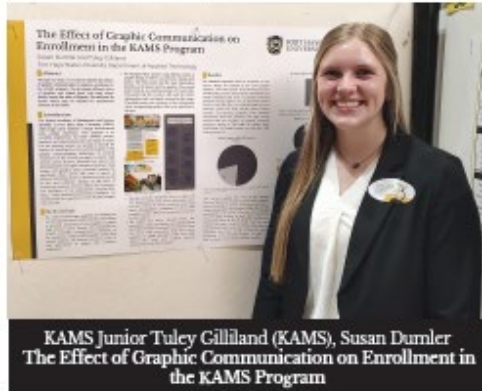
Left to right: KAMS Junior Lawson Ricke, KAMS Senior Brandt Hagen, and Mr. Joe Chretien
Effectiveness and Usability of the Dobot Magician Robotic Arm



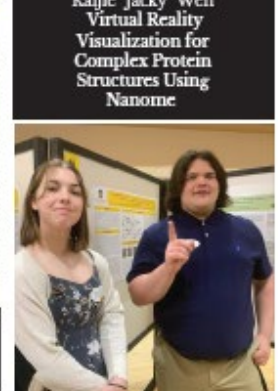
AMS Senior Kaijie 'Jacky' Wen
Virtual Reality Visualization for Complex Protein Structures Using Nanome



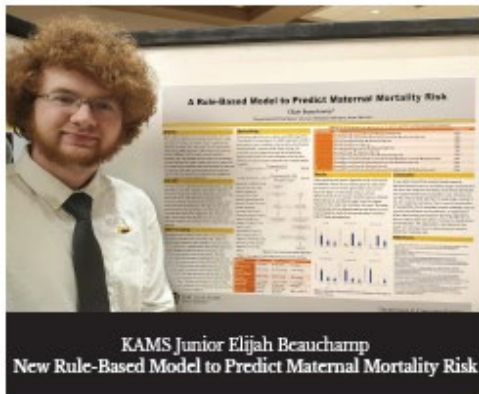
AMS Senior Jiho Hong
What Country Has the Highest Diabetes Rate?



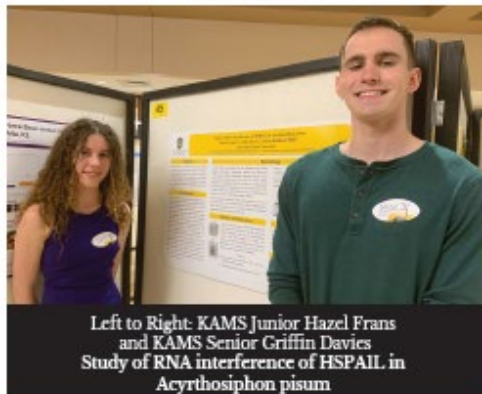
KAMS Junior Tuley Gilliland (KAMS), Susan Dumler
The Effect of Graphic Communication on Enrollment in the KAMS Program



Left to right: KAMS Junior Abigail Amend, KAMS Senior Isaac Knight
Hazel Frans (Not Pictured)
Using CRISPR vectors to study the molecular function of a mutated Arabidopsis AS2 gene



KAMS Junior Elijah Beauchamp
New Rule-Based Model to Predict Maternal Mortality Risk



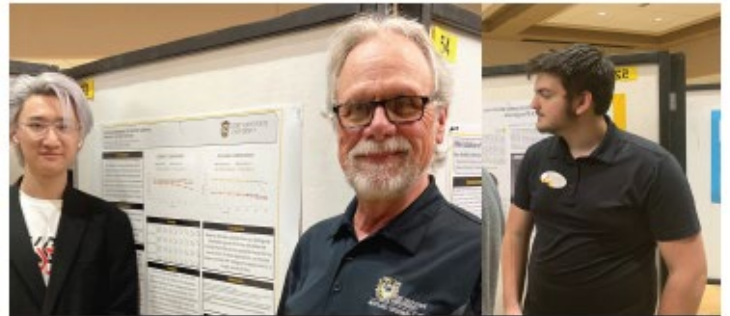
Left to Right: KAMS Junior Hazel Frans and KAMS Senior Griffin Davies
Study of RNA interference of HSPAIL in Acyrthosiphon pisum



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AMS Senior Muyang 'Hanson' Xu Analyzing Histone Chaperone ANTI-SILENCING FACTOR-1A and HISTONE REPRESSOR A Interactions and Their Roles in Arabidopsis thaliana Development via CRISPR/Cas9 Mutagenesis



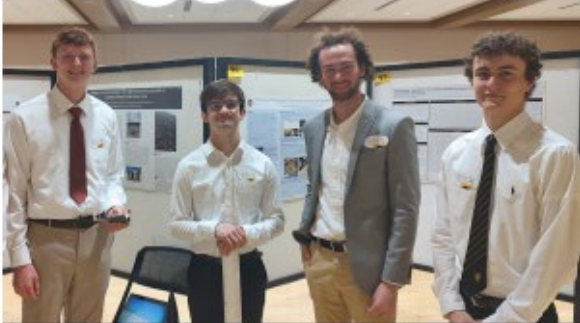
Right to Left: KAMS Junior Kyle Wasinger, AMS Junior Binyu 'Lawrence' Yan, and Mr. Joe Chretien
Lead acid batteries VS LiFePO4 batteries



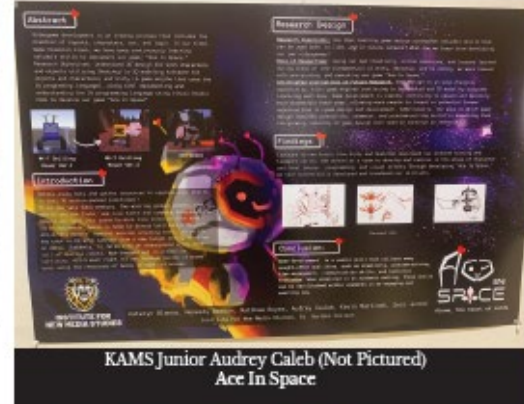
KAMS Junior Emma Cohn
Northwestern Kansas Well Water Contaminant Study



Left to Right: AMS Seniors Zichun 'Amanda' Su and Jiayin 'Jennie' Wang
Social Media and Mental Health: The Impact of FoMO and Personality Traits



Left to Right: KAMS Seniors Quinton Shepard, Dayne Locke, Gideon Fox, and Adam Vincent
Design and Construction of a High-Powered Rocket with a Camera Placed in the Nose cone.



KAMS Junior Audrey Caleb (Not Pictured)
Ace In Space



Left to Right: KAMS Senior Isaac Knight, KAMS Juniors Abigail Amend and Hazel Frans presenting their research.



Left to Right: KAMS Senior Kadrian Ayarza, KAMS Junior Kyle Wasinger, KAMS Seniors Kyron Saunders, Dayne Locke, Ryan Swafford, and KAMS Junior Tuley Gilliland



ADVANCEMENT

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Congrats to KAMS/AMS Class of 2023! They are onto their next big adventure as they have finished their two years here at KAMS/AMS. Our students reached the end not only by their own talent, grit, and determination, but with the support of parents, friends, family, professors, faculty, staff, and academic tutors. No matter what role you played in our students' success, we at KAMS/AMS thank you for everything you have done. Thank you for joining us, both in person and online, in celebrating the successes of our graduating senior class of 2023. We know you will accomplish great things wherever your path takes you next.

Back Row Left to Right: Muyang "Hanson" Xu, Gideon Fox, Quinton Shepard, Griffin Davies, and Brandt Hagen
Middle Row Left to Right: Jiho Hong, Isaac Knight, Kyron Saunders, Kaijie "Jacky" Wen, Adam Vincent, and Sanghoon Lee
Front Row Left to Right: Dayne Locke, Anniston Anderson, Ryan Swafford, Kadrian Ayarza, Jiayin "Jennie" Wang, Marina Profeti, and Cosmo Jarboe
Not Pictured: Zichun "Amanda" Su



KAMS Senior Dayne Locke, from Augusta, KS, was selected to represent his fellow KAMS peers and gave the 2023 KAMS Class Address.



KAMS/AMS Completers being conferred by Fort Hays State University President Dr. Tisa Mason.

AMS Senior Muyang "Hanson" Xu, from Shenzhen, China, was selected to represent his fellow AMS peers and gave the 2023 AMS Class Address.



Left to Right: Sherri Matlock, Marina Profeti, Angela Moore, Ryan Swafford, Heather Hampton, Alisha Otter, Kadrian Ayarza, and Anniston Anderson.



William Burns, who has served as the director of the KAMS/AMS program for 4 years, is moving on to another position at Fort Hays State University in the beginning of June. Thank you again for all that you have done! You have touched the lives of so many bright minds and helped them reach new heights of success.



Past, Present, and Future AMS Completers
Left to Right: Muyang "Hanson" Xu, Seung Hyeok "Jin" Jang, Kaijie "Jacky" Wen, Seung-gu Lee, Sanghoon Lee, Eunseok "Eric" Yoon, and Jiho Hong.
Jin is a current AMS junior, while Seung-gu and Eric completed the AMS program May 2022.

The Custer Hall Community Council (CHCC) hosted the annual KAMS/AMS Senior BBQ the Friday before our seniors walked in the Completion Ceremony. Director Will Burns grilled hot dogs and hamburgers, the CHCC and KAMS/AMS staff also provided food for students to enjoy. The students were able to spend the evening relaxing, chatting, and playing various games at Frontier Park. Juniors were able to hangout and celebrate with their upperclassmen and get some final advice from them.



Left to Right: Hazel Frans, Tuley Gilliland, Anniston Anderson, Yves Shapland, Kadrian Ayarza, and Ryan Swafford



Left to Right: Hazel Frans, Elijah Beauchamp, Yves Shapland, and Yun 'Laurinda' Lan.



Left to Right: Seung-gu Lee, Kyron Saunders, Kaijie 'Jacky' Wen, and Sanghoon Lee.



Left to Right: Kae Dees, Emma Cohn, Marina Profeti, and Lyric Yost.



Left to Right: Mianjun 'Selina' Shang, Muyang 'Hanson' Xu, Yun 'Laurinda' Lan, and KAMS/AMS Assistant Director Sherri Matlock.

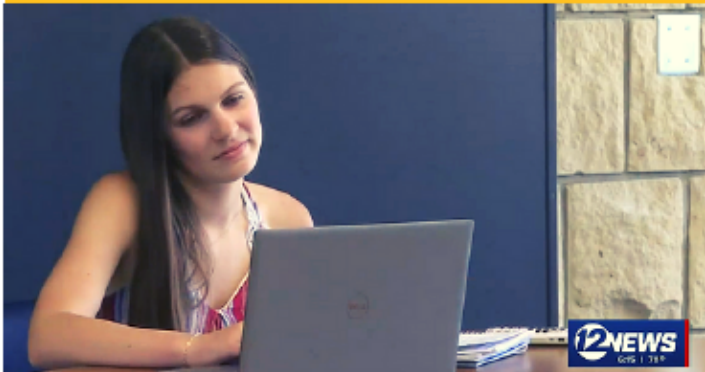
From the KAMS/AMS Staff: Have a Great Summer!

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Left to Right: KAMS Seniors Adam Vincent, Gideon Fox, Quinton Shepard, Dayne Locke, and Kyron Saunders.

KAMS students in rocket research recently attended a rocketry event in Blue Harbor Resort, Sheyboygan, WI. The students wish to thank Rockets-4-Schools for the awesome event, and also their sponsors Amber Wave, enersys-stored-energy, Kansas Ethanol, Sunflower Electric Power Corporation, and Walker Mowers.



KAMS senior Anniston Anderson and KAMS/AMS Director Will Burns were recently interviewed by KWCH about the unique opportunities that the KAMS program offers to exceptional Kansas high schoolers. You can see the full interview on the KWCH website by following the link:

<https://www.kwch.com/2023/05/03/fort-hays-state-program-allows-students-earn-degrees-while-finishing-high-school/>



Congrats to KAMS junior Abigail Amend for being elected as secretary of the Pre-Professional Healthcare Club. This club is for students interested in professions such as physical therapy, occupational therapy, chiropractic care, and more. Abigail plans on going into physical therapy!

Let's have
a great
summer



"Success usually comes to those who are too busy to be looking for it."

-Henry David Thoreau

2023 KAMS/AMS Senior University Acceptance list:

- Fort Hays State University*
- Iowa State University*
- Kansas State University*
- Manhattan College*
- Marquette University*
- North Carolina Central University*
- Ohio State University*
- Pennsylvania State University*
- Purdue University*
- Queens University of Charlotte*
- Rutgers University-New Brunswick*
- Rutgers University-Newark*
- Southwestern College*
- St. John's College, Annapolis*
- St. John's College, Santa Fe*
- Temple University*
- University of Arkansas*
- University of California-Riverside*
- University of California-San Diego*
- University of Colorado Boulder*
- University of Detroit Mercy*
- University of Illinois Urbana-Champaign*
- University of Kansas*
- University of Minnesota*
- University of Nebraska-Lincoln*
- University of Nevada-Las Vegas*
- University of New Mexico*
- University of North Carolina-Charlotte*
- University of North Carolina-Greensboro*
- University of Oklahoma*
- University of the Pacific Northwest*
- Washburn University*
- Washington University-St. Louis*
- Wichita State University*
- Winthrop University*

Congratulations!

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