



KALAMAZOO AREA MATHEMATICS AND SCIENCE CENTER

Keeping KAMSC Families Informed

From the Director, Dr. Michael Tanoff

HIGHLIGHTS

Director's Report	1
Dr. T	1-2
Inspirational Teacher	2
"Old" News	3-4
Class of 2013	5
2012-13 Awards	6-14
Technology Highlights	15-23
STEM Teacher	24
Parent Organization	25
Student Advocate News	26
Miscellaneous Information	28
Tentative Rolling Calendar	29

Summer greetings to our KAMSC community! I hope that your summer experiences have been enjoyable ones. It has been a typically busy summer at KAMSC, with many students participating in our on-site Sizzlin' Summer Math & Science Program and other summer outreach activities. Once again, we were delighted to be able to provide financial assistance to *all* Sizzlin' Summer students requiring support, thanks to the generosity of local philanthropists, as well as a gift from the Kalamazoo County Department of Human Services. (All of our Sizzlin' Summer donors are thanked later in this edition of *Linkages*.) Our teachers have been busy as well, traveling and participating in seminars, workshops, research experiences, and curricular updates, so that they may bring new and exciting insights into the classroom.

We have much to celebrate as we look back over the past academic year, including the achievements of our students and teachers, celebrated throughout this issue of *Linkages*. The highlight of 2012 was, of course, our sixty-seven seniors completing their KAMSC studies and being recognized for this achievement at the Class of 2013 Senior Recognition Ceremony on May 28th. Our graduates will be attending colleges and universities this fall spanning regions across the country, from Maine to Montana to Florida. Our graduates will major in fields ranging from geological engineering and chemistry to computational linguistics and music. We are proud of the diversity of interests being pursued by our most recent KAMSC alumni.

As always, KAMSC students garnered awards in a variety of academic areas ranging from computer science and engineering competitions to recognition for their research projects, and as mentioned, all of these achievements are highlighted throughout this edition of *Linkages*. However, this past year, two of our teachers were recognized, by prestigious organizations, for their achievements with students. While their paths to these awards are chronicled in this edition of *Linkages*, the entire KAMSC community may take pride in receiving these awards as a reflection of how all of our teachers have an impact on the students in our community.

I hope you enjoy this summer 2013 edition of *Linkages*, and look forward to our fall edition in mid-September. As always, I remain available for your questions, comments, and concerns at (269) 337-0004, or MTanoff@kamsk.k12.mi.us.

Congratulations, Dr. T. We'll miss you!

It is with mixed emotions that the KAMSC community bids farewell to its much beloved chemistry teacher of the past thirteen years, Dr. Joe Thorstenson — affectionately known to the KAMSC community as "Dr. T", as he enters retirement. Dr. T was a dedicated and tireless advocate for his students as they endeavored to learn the concepts and applications associated with high school chemistry, both at the honors and Advanced Placement levels, and as his students pursued their research

agendas at KAMSC.

Dr. T's classes were permeated by a Socratic approach, coupled with ongoing laboratory work, which he perfected through his many years of experience. Dr. T's experience as an industrial chemist allowed him to provide a unique perspective from which to help students develop their own individual research projects, and his skills as an instrument technician kept several old and expensive pieces of laboratory equipment functioning at a high level.

Dr. T's devotion to his students led him to sacrifice much personal time on their behalf. Dr. T could be observed working with laboratories full of students at 7:00 in the morning before the KAMSC school day officially began, and working with students on their research projects until 7:30 in the evening. Dr. T would occasionally meet with students on a Sunday afternoon in order to help them meet deadlines with laboratory assignments.

Dr. T contributed to the learning environment for all students at KAMSC. He will be missed by students and colleagues alike. The entire KAMSC community wishes Dr. T a most enjoyable retirement and hopes that he will be a regular visitor to his "old stomping grounds."

KAMSC Teacher Mike Sinclair Wins National Inspirational Teacher Award from Kennedy Center



THE KENNEDY CENTER
THE JOHN F. KENNEDY CENTER FOR THE PERFORMING ARTS



KAMSC physics and calculus teacher **Mike Sinclair** has been named a 2013 Kennedy Center/Stephen Sondheim Inspirational Teacher Award recipient. Quoting from the Sondheim Award web page (<http://www.kennedycenter.org/programs/awards/sondheim/include/nominees13.html>), "The annual Kennedy Center/Stephen Sondheim Inspirational Teacher Awards publicly recognize specific teachers by spotlighting their extraordinary impact on the lives of students. The Awards celebrate the teaching profession, the important role of teachers in society, and seek to inspire others to pursue this noble profession. Nominated by students they once taught, these former students' stories exemplify the power one teacher has to inspire others and transform lives." Mr. Sinclair is one of seven teachers, nationwide, to receive this prestigious award in 2013.

Mr. Sinclair was nominated by KAMSC alumna Adrienne Erickcek, now a cosmologist at the Canadian Institute of Theoretical Physics. Referring to a discussion she had with Mr. Sinclair in 1999, while a student in Mr. Sinclair's physics course, Dr. Erickcek wrote in her nomination letter, "In that moment, Mr. Sinclair treated me like a fellow explorer of the cosmos. He listened to my ideas with excitement and respect. My newfound confidence in my ability to be an astrophysicist was cemented."

Mr. Sinclair's splendid achievement reflects the impact of KAMSC and all its teachers on the lives of the many students who pass through its doors. This is truly an award of which the entire KAMSC community may be proud.

WINTER/SPRING NEWS

(We've included the winter/spring news with the summer news)

KAMSC Research Team

KAMSC Biology, Chemistry, Physics, AP Physics, AP Biology, Microbiology and Biomedical Science classes were actively engaged in designing their research projects. The KAMSC Research team worked on their research projects since the beginning of the school year. Some topics of research included:

Polynuclear aromatic hydrocarbons (PAHs) in samples of soil collected around farms after the Enbridge Oil Spill

Mathematical modeling of the benefits and drawbacks of rooftop agriculture

Detection of heavy metals using printed sensors to determine the effects of medication as a precursor of infection in Hemodialysis patients.

And many more...

Research Team awards and associated project titles are listed on page 14 in this issue of *Linkages*.



11 Years of Pain and No End in Sight?

No matter how much pressure Hollywood directors, producers, writers, and actors applied this year, the annual KAMSC Science Fiction Film Festival successfully completed its amazing 11th season March 8th and 9th, 2013. Once again, over one hundred students (including several faculty members and a handful of alumni) suffered through a series of classic – classically bad, that is – science fiction movies along with one of the few outstanding sci-fi films made in the past few years. We managed to struggle through both versions of Total Recall, laughed our way through Prometheus, and suffered through a nearly three-hour marathon of John Carter. However, we finished the overnight event with Source Code, which most “survivors” of the Film Fest agreed was “decent.” As usual, expert commentary was provided by any and all members of the audience (a lá Mystery Science Theater 3000) throughout each screening. We’re all looking forward to next year!

KAMSC Students Share Their Joy of π

Approximately twenty-five KAMSC 11th and 12th grade volunteers, led by KAMSC parent Shawn Hinga, visited El Sol 4th and 5th graders March 13th ($\pi - 0.01$). After introducing themselves and sharing why they enjoyed going to KAMSC, the students solved math puzzles, played math games and completed an activity to learn about π . Thank you to the student volunteers and Ms. Hinga for this wonderful outreach activity

Searching for Health



The 21st annual health conference for high school students, *The Science Behind the Health*, was held at the WMU College of Health and Human Services on May 3, 2013. Health plays a significant role in the lives of every one of us. It is the key to the essential functioning of our bodies and minds. The *Searching for Health Conference* is a venue for students to interact with community experts in the fields of health and medicine.

An Excellent Investment: Help a Student Develop a Math/Science Interest through KAMSC's Sizzlin' Summer Mathematics and Science Program

The KAMSC Sizzlin' Summer Science Program Director, Susan Fisher, is always looking for businesses, organizations and/or individuals to help make summer classes available to students whose families cannot afford tuition. Financial assistance is given to students who meet the school lunch need criteria. If you or your organization would like to help out, please contact Susan Fisher at 337-0031 or e-mail sfisher@kamsc.k12.mi.us.

Summer 2013 marks the second summer in a row that KAMSC was able to support all Sizzlin' Summer students who demonstrated financial need, through generous contributions and efforts from the following foundations and organizations:

The Kalamazoo Community Foundation
The Earl L. Cooper Memorial Scholarship Fund
The Kendall and Susan Warren Fund
The John and Mildred Karnemaat Fund
The Kalamazoo County Department of Human Services
The Michigan Mathematics and Science Centers Network
Annual donors and supporters of KAMSC

Thank you to all of our donors and supporters who place a high priority on the education of our children.

Student Senate Activities

The 2012-13 school year KAMSC Student Senate was an enlightening experience for both the officers and the student body participants. Our early-year activities included a Halloween Fashion Show, the Class Clash, and a Loaves and Fishes food drive. The Halloween Fashion Show, a new event, brought students from various grades together. We carried on the KAMSC Student Senate tradition with Class Clash, where students were able to further bond through a bit of friendly competition including a pie-eating contest, a dodge-ball tournament, and a relay quiz-bowl. Our food drive yielded record-breaking student participation with over 1000 donated items.

The senate hosted the much anticipated Winter Dance; this year's theme was *Outer Space*. Many hours of work and toil went into purchasing food and making decorations, but it all paid off in the end as it was an incredibly fun evening! The senate also hosted the Science Fiction Film Festival, which is an overnight event held at KAMSC at which students stay all night watching horribly unrealistic (but highly entertaining) science fiction film under the supervision of Student Senate faculty advisor, Mr. Sinclair.

The year was extremely rewarding; we could not have been as successful without the help of parent volunteers, in particular Dr. Hsimin Huang, KAMSC Student Senate Parent Advisor, and the student body participants of KAMSC. Thank you!

CONGRATULATIONS to the KAMSC CLASS OF 2013!

<u>Name</u>	<u>High School</u>	<u>College Plan</u>	<u>Career Interest</u>
Abell, Hannah	Schoolcraft	Purdue	Engineer
Balaguer, Katherine	Hackett Catholic	Colby College	Chemist
Barth, Thomas	Kalamazoo Central	U Michigan (LS&A)	Musician
Bolliet, Marine	Kalamazoo Central	Western Mich. U (Honors)	Pediatrician
Boswell, Jeremiah	Home School	Western Mich. U (Honors)	Mathematician
Braybrooks, Grey	Kalamazoo Central	U Michigan (Engineering)	Biomedical Engineer
Brelje, Jonathan	Portage Northern	U Michigan (Engineering)	Software Engineer
Calco, Robert	Portage Northern	Kalamazoo College	Neurosurgeon
Campbell, Emily	Portage Central	U Michigan (LS&A)	Editor
Cartier, Matthew	Portage Northern	U Chicago	Physicist
Chiang, Young	Kalamazoo Central	Western Mich. U (Honors)	Mechanical Engineer
Colwell, Quinton	Portage Central	Kalamazoo College	Physician
Cook, Cassandra	Portage Central	U Michigan (Engineering)	Engineer
Dewan, Sujay	Portage Northern	U Pennsylvania	Physician
Evans, Jalen	Kalamazoo Central	Florida A & M U	Cardiologist
Finch, Thomas	Otsego	U Michigan (Engineering)	Software Engineer
Folsom, Zachariah	Vicksburg	Loyola U Chicago	Attorney
Ghantasala, Lakshmi	Portage Central	Purdue U (Honors)	Professor
Graube, Martins	Loy Norrix	Western Mich. U (Honors)	Engineer
Gupta, Gagan	Portage Northern	U Pennsylvania (Wharton)	Entrepreneur
Haile, Nadia	Kalamazoo Central	Michigan State U	Psychiatrist
He, Anna	Portage Northern	U Michigan (Ross)	Business
Henniges, Amber	Gull Lake	Ball State U (Honors)	Actuary
Hepp, Andrew	Kalamazoo Central	U Michigan (Engineering)	Computer Engineer
Higgins, Lauren	Kalamazoo Central	U Michigan (LS&A)	Pediatrician
Hoffman, Jared	Home School	Rose-Hulman Institute	Software Engineer
Houtkooper, Joshua	Vicksburg	Michigan Tech U	Geological Engineer
Huang, Phoebe	Portage Northern	U Michigan (LS&A)	Business
John, Anna	Portage Northern	U Michigan (Engineering)	Eng./Medicine
Johnson, Naomi	Kalamazoo Central	Western Mich. U (Honors)	Medicine
Krishnan, Abhiram	Portage Central	U Michigan (Engineering)	Engineer
Labadie, Andrew	Loy Norrix	Michigan State U (Honors)	Physician
Lee, Katie	Portage Northern	Purdue U	Computer Graphics
Leslie, Jordan	Comstock	Central Michigan U	Medicine
Lim, Alex	Kalamazoo Central	MIT	Engineering
Lovins, Austin	Vicksburg	U Michigan (Engineering)	Weapons Engineer
Lowery, Ashley	Vicksburg	Michigan State U (Eng.)	Chemical Engineer
Luykx, Amanda	Portage Northern	Michigan State U (Honors)	Chemical Engineer
McGuire, Meg	Vicksburg	Washington U at St. Louis	Neurologist
Meyers, Zachariah	Mattawan	Oberlin College	Teacher/Coach
Mills, Helena	Portage Central	U Michigan (Engineering)	Biomedical Engineer
Mitchell, James	Loy Norrix	Michigan State U	Computer Scientist
Monroe, Tevin	Kalamazoo Central	Wayne State U (Honors)	Medicine
Oh, Timothy	Portage Central	U Michigan (LS&A)	Ophthalmologist
Orwin, Colleen	Portage Northern	Kalamazoo College	Computer Scientist
Powers, Beatrice	Loy Norrix	U Montana	Physical Therapy
Quartermaine, Cooper	Gull Lake	Xavier U	Physician
Ramsdell, Trisha	Vicksburg	U Michigan (LS&A)	U.S. Navy Surgeon
Rangrass, Gauri	Portage Central	Northwestern (Medill)	Journalist
Reed-Sandum, Justine	Gull Lake	Michigan Tech U	Biomedical Engineer
Rice, Olivia	Schoolcraft	U Michigan (LS&A)	Journalism
Rutherford, Joy	Kalamazoo Central	Michigan State U	Veterinarian
Sheppard, John	Gull Lake	Michigan Tech U	Engineering
Singh, Mandhiraj	Portage Northern	U Michigan (Engineering)	Engineer
Sly, Samuel	Gull Lake	Taylor U	Engineer
Starfeldt, Zaria	Loy Norrix	U Michigan (LS&A)	Counselor
Stull, Lukas	Hackett Catholic	U Michigan (Engineering)	Engineer/Business
Stuut, Thomas	Schoolcraft High	Kalamazoo College	Sports Medicine
Thomas, Reinie	Portage Central	Hope College	Orthopedic Surgeon
Tiller, Jenna	Gull Lake	Miami U	Science Journalist
Venugopal, Madhavi	Portage Northern	U Chicago	Medicine
Vorbrich, Steven	Loy Norrix	Northwestern U	Computer Science
Wachowski, Samuel	Kalamazoo Central	Michigan Tech U	Robotic Engineer
Wadhwa, Raoul	Portage Northern	Kalamazoo College	Ophthalmologist
Ward, Hunter	Vicksburg	Western Mich. U (Honors)	Pathologist
Witherspoon, Zachary	Galesburg-Augusta	Western Michigan U	Chemical Engineer
Woodworth, Daniel	Kalamazoo Central	U Michigan (Engineering)	Software Engineer

2012-13 AWARDS**Kevin P. Chao Memorial Scholarship**

This scholarship, established by family and friends in memory of Kevin P. Chao, provides financial assistance to students who exhibit characteristics similar to those for which Kevin is so fondly remembered. These characteristics include the achievement of personal and academic goals, a competitive spirit, leadership, high respect from everyone encountered, and a special caring for people. This year's recipient is:

~ Helena Mills ~

Kaitan Kothari Memorial Scholarship

This scholarship, established by family in memory of Kaitan Kothari, provides financial assistance to students who exhibit characteristics similar to those for which Kaitan is remembered. These characteristics include academic achievement, leadership, and a competitive athletic spirit with a contagious smile. This year's recipient is:

~ Colleen Orwin ~

BOOK AWARDS
◇ ◇ ◇ ◇ ◇**Chemistry Book Award**

(10th Grade)

This student has a curiosity and a passion for scientific investigation. Through research, he has discovered both the art and science of experimentation.

~ Kevin Werme ~

Advanced Physics Book Award

This award is given to a student who is diligent, shows a great interest in the topics being taught, is curious and goes above and beyond what is required.

~ Quinton Colwell ~

Physics Book Award

This award is given to the most outstanding student in the third year KAMSC Physics course; the student must have shown solid academic success, a strong work ethic, and a passion and curiosity for learning.

~ Rachel Polus & Genevieve Sertic ~

Book Awards continued...

Biomedical Science Book Award

This student displays both aptitude and interest for human biology and physiology.

~ Amber Salome ~

Environmental Science Book Award

This student shows consistent and wide-ranging passion for the health and welfare of the planet Earth and demonstrates their involvement with action.

~ Genevieve Sertic ~

Biology Book Award

This student demonstrates interest in the life sciences that go beyond the classroom; someone for whom biology really "pops their twitzel."

~ Jack Eichman ~

AP Biology Book Award

This student has a strong yearning to investigate the marvels of biology, has a high quality of work and a desire to go beyond the required.

~ Raoul Wadhwa ~

Computer Science Book Award

Awarded to the outstanding student who demonstrates four marking-periods of exceptional academic achievement, diligence, leadership, as well as contributions to KAMSC Computer Teams that are marked by excellence.

~ Kyle Milka – AP Computer Science ~

~ Abhiram Krishnan – Advanced Computer Science ~

IT Book Award

This award is given to a student who demonstrates outstanding interest, commitment and leadership across a diverse group of topics and projects in Information Technology.

~ Sam Maddox ~



MEDALLION AWARDS



Senior medallion criteria: Recipients of the senior medallion are selected not just for academic achievement alone, but also for how well they exemplify key traits of life-long success such as growth/maturity, leadership, a strong work ethic, enthusiasm/curiosity, and positive contributions to their work/learning environment. These are students who represent the best of what we believe we want KAMSC students to become. This year's medallion recipients are:

Matthew Cartier	Ashely Lowery
Quinton Colwell	Helena Mills
Gagan Gupta	Trisha Ramsdell
Abhiram Krishnan	Mandhiraj Singh
Andrew Labadie	Raoul Wadhwa

Junior medallion criteria: Junior medallion awards are given to the most outstanding students during their junior year at KAMSC based upon a strong work ethic, an unending passion for learning, an outstanding year of academic achievement, and the rare ability to handle all the demands of one of the most stressful years in high school.

Darcy Billian	Alexandria Oswalt
Abhay Goel	Rachel Polus
Madelene McKenzie	Amber Salome
Kyle Milka	Genevieve Sertic
Jacob Naranjo	Sara Torres

Sophomore medallion criteria: Recipients of the sophomore medallion exhibit tireless enthusiasm for learning, takes advantage of extra opportunities to achieve, perseverance in subject mastery, works well with classmates, high level of integrity, academic excellence in all KAMSC subjects.

Katheen D'Souza	Ben Maddux
Ed Fenwick	Cydney Martell
Carolyn Hamman	Ugochukwu Nwagbo
Subhodh Kotekal	Kevin Werme
Kimberly Kwon	Tristan Woodsmith

9th grade medallion criteria: The selection of ninth grade medallion winners is based on maturity, enthusiasm, curiosity, leadership, strong work ethic, academic achievement and positive contributions to the classroom. All of the teachers who have ninth graders in their classes were part of the selection process. The 9th grade medallion winners are:

Sami Ahmad	Maya Lannen
Connor Bach	Samual Maddox
Benjamin Beach	Simran Singh
Savannah Crooks	Eryka Swank-Schreffler
Otto Kailing	Emily Veenhuis

AWARDS of ACADEMIC ACHIEVEMENT



Each year academic achievement awards are given to students at the Awards program. The Director's Award, given for four years of straight A's is limited to seniors. High honors are awarded for all A's and one B. Honors are earned for all A's and B's and one C.

Director's Awards of Academic Excellence

(All A's—4 Years)

Brelje, Jonathan	Krishnan, Abhiram
Calco, Robert	Lee, Katie
Cartier, Matthew	Lim, Alex
Colwell, Quinton	McGuire, Meg
Dewan, Sujay	Mills, Helena
Gupta, Gagan	Wadhwa, Raoul

High Honors

(All A's, maximum 1 B)

12 Vorbich, Steven	10 Chapin, Abby
11 Chang, Rachel	10 D'Souza, Kathleen
11 Claussen, Aaron	10 Epskamp-Hunt, Eleanor
11 Escandon, Edward	10 Esman, Shelby
11 Fletcher, Emily	10 Fenwick, Edward
11 Gibbs, Angus	10 Hamman, Carolyn
11 LaForce, Geneva	10 Kotekal, Subhodh
11 McKenzie, Madelene	10 Kwon, Kimberly
11 Mirza, Humza	10 Lane, Annalise
11 Naranjo, Jacob	10 Le, Binh
11 Oswald, Alexandria	10 Lenning, Benjamin
11 Peters, Samuel	10 Maddux, Benjamin
11 Polus, Rachel	10 Martell, Cydney
11 Salome, Amber	10 Nagy, Jordan
11 Sandell, Thomas	10 Ochoa, Jorge
11 Sertic, Genevieve	10 Park, Kayla
11 Stull, Maria	10 Rastogi, Kabir
11 Wu, Katherine	10 Razi, Farzad
10 Andrews, Cameron	10 Schultz, Peter
10 Baldwin, William	10 Shirey, Abigail
10 Bertman, Isaac	10 Smith, Margaret
10 Blinkiewicz, Hailey	10 Spitsbergen, Jake
10 Callahan, Patrick	10 Wait, Haley
10 Cartier, Catherine	10 Werme, Kevin

Awards of Academic Achievement continued...

Honors

(All A's, B's, Maximum 1 C)

12	Abell, Hannah	11	Barnum, Emily	10	Batsell, James
12	Balaguer, Katherine	11	Billian, Darcy	10	Beck, Grace
12	Bolliet, Marine	11	Brozovich, Ryan	10	Betts, Madelyn
12	Boswell, Jeremiah	11	Chamberlain, Carter	10	Bower, Samuel
12	Braybrooks, Grey	11	Chaudhary, Ansh	10	Butt, Kaylie
12	Campbell, Emily	11	Conley, Laura	10	Carpenter, Daniel
12	Cook, Cassandra	11	Crandell, Thomas	10	Chu, Ian
12	Folsom, Zachariah	11	Curtiss, Mitchell	10	Coles, Adam
12	Ghantasala, Lakshmi	11	Dunham, Benjamin	10	Comes, Alec
12	He, Anna	11	Elluru, Michael	10	Derango, Anna
12	Hepp, Andrew	11	Fenton, Jacob	10	Eldridge, Seth
12	Higgins, Lauren	11	Gaunt, Nicholas	10	Emenheiser, Anna
12	Huang, Phoebe	11	Goel, Abhay	10	Ervin, Mckinzie
12	John, Anna	11	Gordon, Carley	10	Folsom, Calvin
12	Labadie, Andrew	11	Henning, Spencer	10	Haney, Isabella
12	Lovins, Austin	11	Hurst, Thomas	10	Hanley, Colby
12	Lowery, Ashley	11	Janowicz, Kyle	10	Johnson, Lars
12	Luykx, Amanda	11	Khan, Humza	10	Kamath, Sharat
12	Meyers, Zachariah	11	Komya, Kitu	10	Kleber, Lyric
12	Monroe, Tevin	11	Lee, Macneal	10	McKibbon, Katherine
12	Oh, Timothy	11	Leverton, Tyler	10	Mendez, Chloe
12	Orwin, Colleen	11	Mazer, Tate	10	Meyers, Hannah
12	Quartermaine, Cooper	11	Mehta, Paras	10	Mills, Zacharias
12	Ramsdell, Trisha	11	Meldrum, Clayton	10	Nwagbo, Ugochukwu
12	Rangrass, Gauri	11	Milka, Kyle	10	O'Leary, Helen
12	Rice, Olivia	11	Mussche, Joshua	10	Perrin, Gabrielle
12	Singh, Mandhiraj	11	Noteboom, Rachael	10	Reid, Elizabeth
12	Sly, Samuel	11	Patel, Dhara	10	Rizzolo, Skylar
12	Starfeldt, Zaria	11	Peirce, Alexandra	10	Russcher, Parker
12	Stull, Lukas	11	Piper, Sarah	10	Strehl, Elizabeth
12	Stuut, Thomas	11	Roodbergen, Anna	10	Waltz, Matoska
12	Thomas, Reinie	11	Rothe, Katherine	10	Wile, Jessica
12	Tiller, Jenna	11	Rumora, Hanna	10	Woodsmith, Tristan
12	Venugopal, Madhavi	11	Rupp, Thomas	10	Yang, Chang
12	Ward, Hunter	11	Thota, Naveena		
12	Witherspoon, Zachary	11	To, Ethan		
12	Woodworth, Daniel	11	Torres, Sara		
		11	Wile, Jenner		
		11	Withers, Taryn		
		11	Wunderlich, Grant		



Calculus League Contest

The Calculus League Competition is open to all students who are either enrolled in or have completed a Calculus course. It consists of a series of 4 timed tests that take place during the year, and parallels the development of concepts and skills in differentiation and integration. This year, KAMSC's top finishers were:

~ (Raoul Wadhwa-1st place, 29 points) ~ (Alex Lim-2nd place, 25 points) ~ (Thomas Finch-3rd place, 24 points) ~

56th Annual Michigan Mathematics Prize Competition

In October, KAMSC had 200 participants for Part 1 of the 56th Annual Michigan Mathematics Prize Competition, sponsored by the Michigan section of the Mathematical Association of America. The top 10% of Part 1 scores statewide are invited to take Part 2 in December. The following students qualified for Part 2:

Jeremiah Boswell
Ryan Brozovich
Sujay Dewan
Alex Lim
Genevieve Sertic
Samuel Wachowski
Daniel Woodworth

Jon Brelje
Matthew Cartier
Matthew Krinock
Benjamin Maddux
Mariclare Shirey
Raoul Wadhwa
Katherine Wu

Grey Breybrooks
Ian Chu
Abhiram Krishnan
Colleen Orwin
Steven Vorbrich
Matoska Waltz



Abhiram Krishnan took honors for KAMSC's high score of 32 (out of 40) on Part 1. For their combined Part I and Part II scores, Abhiram, Ian Chu, and Daniel Woodworth all finished in the Top 200 statewide. Congratulations to all.

American Math Competition

Congratulations to Abhay Goel and Raoul Wadhwa, who qualified for the second round of the AMC-12 and Ian Chu qualified for the second round of the AMC-10. Outstanding performances by all three KAMSC students!

Michigan Math League Contests

During the school year students have an opportunity to participate in the Michigan Math League Contests (MMLC). There are six contests during the school year, which take place after school. The contest consists of six questions which may require algebra, geometry or trigonometry knowledge. The school receives a school score based on the top five student scores, but there are also prizes for individual students. The 6th and final contest took place March 12th. The students with the three highest cumulative scores at KAMSC are listed below. As of the 5th contest, KAMSC was in fifth place. Students do not need to participate in all six contests and do not need to pre-register. Seventy-two upper-class students participated in at least one of the six contests. We are looking forward to the 2013-14 season! Please see Mrs. Kalnins if you have any questions regarding the contests.

~ Steven Vorbrich (31)-1st Place, Abhay Goel (29)-2nd Place, Jacob Naranjo (27)-3rd Place ~



American Chemical Society Kalamazoo Section Winners Competitive Scholarships in Chemistry

Grey Braybrooks	3 rd Place (tie)
Tyler Leverton	3 rd Place (tie)
Daniel Woodworth	5 th Place
Cooper Quartermaine	7 th Place (tie)
Quinton Colwell	9 th Place
Katie Lee	Certificate of Honorable Mention
Alex Lim	Certificate of Honorable Mention
Madelene McKenzie	Certificate of Honorable Mention
Joshua Mussche	Certificate of Honorable Mention

American Chemical Society Award Outstanding 2013 KAMSC Senior in Chemistry

~ Quinton Colwell ~

Asheesh Bedi Award of Research Excellence

Criteria: Demonstrated evidence of quality research.

~ Dhara Patel ~ Sujay Dewan ~ Gagan Gupta ~
~ Ashley Lowery ~ Genevieve Sertic ~ Anna He ~

Phil Carra "White Coat Award of Laboratory Excellence"

Criteria: Outstanding achievement of laboratory techniques.

~ Quinton Colwell ~

Don Parfet Distinguished Service Award

Criteria: Kalamazoo Area Mathematics and Science Center staff recognizes and honors the following student for service contributions to the KAMSC community:

~ Gauri Rangrass ~

Junior Engineering Technology Student (JETS) Awards

(Triune University in Angola, Indiana)

Varsity B
1st Place-MI Division 2
Winner-Regional Competition
7th Place-National/Part I

Helena Mills (Captain)
Abhiram Krishnan
Phoebe Huang
Austin Lovins
Brice Calco
Rachel Polus
Genevieve Sertic
Abhay Goel

Varsity A
2nd Place-MI Division 2
2nd Place-Regional Competition
9th Place-National/Part I

Sujay Dewan (Captain)
Gagan Gupta
Jon Brelje
Katie Lee
Raoul Wadhwa
Amber Salome
Angus Gibbs
Taryn Withers

USA COMPUTING OLYMPIAD

GOLD AWARDS

SENIORS

Jon Brelje
Abhiram Krishnan
Steven Vorbrich

JUNIORS

Abhay Goel
Kyle Milka



SILVER AWARDS

SENIORS

Gagan Gupta
Raoul Wadhwa
Daniel Woodworth

JUNIORS

Jacob Naranjo

BRONZE AWARDS

SENIORS

Thomas Finch
Phoebe Huang
Helena Mills

JUNIORS

Carter Chamberlain
Aaron Claussen
Edward Escandon
Emily Fletcher
Angus Gibbs

SOPHOMORES

Subhodh Kotekal

FIRST-YEAR

Michael Orwin

2012 CODEWARRIOR INDUCTEES

SENIORS

Thomas Finch

JUNIORS

Ansh Chaudhary
Ben Dunham
Angus Gibbs
Jacob Naranjo
Thomas Rupp
Tom Sandell
Maria Stull
Katherine Wu

SOPHOMORES

Evan Batsell

FIRST-YEAR

Michael Orwin

AMERICAN COMPUTER SCIENCE LEAGUE

PERFECT SCORES

ALL STAR (12/12)

Gagan Gupta
Abhiram Krishnan
Raoul Wadhwa
Abhay Goel
Jacob Naranjo

INTERMEDIATE DIVISION (40/40)

Jon Brelje
Abhiram Krishnan
Helena Mills
Aaron Claussen
Abhay Goel

ACSL ALL STAR INTERNATIONAL TEAMS

SENIOR TEAM

Jon Brelje
Gagan Gupta
Abhiram Krishnan
Steven Vorbrich
Raoul Wadhwa

INTERMEDIATE TEAM

Aaron Claussen
Abhay Goel
Kyle Milka
Jacob Naranjo
Tom Sandell

ALTERNATE TEAM

Ben Dunham
Colleen Orwin
Daniel Woodworth

Research Team Awards

for students presenting their research at the **Southwest Michigan Science and Engineering Fair (SWMSEF)**. The SWMSEF, sponsored by KAMSC, was held at Western Michigan University's College of Engineering and Applied Sciences on March 22, 2013.

Individual Awards

Mu Alpha Theta Mathematics Award

Jeremiah Boswell

Egyptian fractions and their relationship to other mathematical phenomena

KAMSC Parent/Teacher Outstanding Research Award

Dhara Patel

The role of N-cadherin in blood vessel formation

Junior Science Humanities Symposium Participant Award

KAMSC Parent/Teacher Outstanding Research Award

Sujay Dewan

The direction, strength, and symmetry of the influential intersegmental neurological connection within the Medicinal Leech

Junior Science Humanities Symposium Participant Award

Ani Ghantasala

Novel nano-architectures as dissolved oxygen sensors

Junior Science Humanities Symposium Participant Award

Abhiram Krishnan

Development of a novel protein amino acid terminal sequencing method using Mass Spectrometry

Surgeon General Award

Department of the Army 1st Place Award

Junior Science Humanities Symposium 2nd Place Award

Ashley Lowery

Influence of the 2012 school lunch nutritional requirement reform from the US Department of Agriculture on the plate waste of high school students

Department of the Army Runner-Up Award

Abhay Goel

Quantitative analysis of malignant tissue through fractal geometry

Junior Science Humanities Symposium Participant Award

S. Central Assoc. of Clinical Microbiology 1st Place Award

Madhavi Venugopal

The effect of the Enbridge oil spill on actinomycetes in the soil

Department of the Army Runner-Up Award

Tim Oh

IR spectroscopy and light microscopy of thermally exposed hair

SWMSEF 1st Place Individual Award

Gagan Gupta

Two-photon absorption cross-sections of extrinsic dyes to monitor protein folding and unfolding of albumins

Yale Science Award

Ricoh Sustainable Development Award

SWMSEF 2nd Place Individual Award

Genevieve Sertic

Mathematical modeling of the benefits and drawbacks of rooftop agriculture

SWMSEF 3rd Place Individual Award

Junior Science Humanities Symposium Participant Award

Raoul Wadhwa

Detection of toxic pesticides using metal nanoparticles

Team Awards

Innovative Engineering Award

Thomas Finch

Zac Witherspoon

The design and construction of water flow monitors for a Van de Graaff Particle Accelerator

SWMSEF 1st Place Award

Grey Braybrooks

Samuel Wachowski

Detection of heavy metals using printed sensors to determine the effects of medication as a precursor of infection in hemodialysis patients

ASM Outstanding Materials Science Award

Michael Elluru

Tate Mazer

The effect of the ratio of waste powder paint to mix water on crush strength of concrete

Michigan Junior Science and Humanities Competition

Congratulations to the following students for reaching the semi-finals of the MJSHC with their KAMSC Research Projects: **Sujay Dewan, Gagan Gupta, Ashley Lowery, Raoul Wadhwa, Ani Ghantasala, Abhiram Krishnan, and Madhavi Venugopal**. The semi-finals competition was held at Wayne State University on March 28 and 29, 2013.

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2012 Eastern Michigan University MACUL Programming Contest



KAMSC Computer Science teams kicked off the programming season with a strong showing at the fourth annual EMU-MACUL High School Programming Contest in Ypsilanti. KAMSC had twenty of the fifty 3-person teams in attendance. Five KAMSC teams placed in the top ten overall:

- 2nd place—Sujay Dewan, Abhay Goel, Raoul Wadhwa
- 3rd place—Jon Brelje, Gagan Gupta, Abhiram Krishnan
- 4th place—Anirudh Ghantasala, Steven Vorbrich, Daniel Woodworth
- 5th place—Edward Escandon, Angus Gibbs, Kyle Milka
- 7th place—Aaron Claussen, Jacob Naranjo, Jenner Wile

Eastern Michigan University and the Michigan Association of Computer Users in Learning (MACUL) Special Interest Group in Computer Science (SIGCS) is the only programming contest hosted in the fall. It is a fantastic source of motivation for the rest of the school year for our students who study computer science and participate in KAMSC Computer Teams.

The 60 students who made up KAMSC's EMU-MACUL team this year were Alan Alvarez, Evan Batsell, Jon Brelje, Brice Calco, Carter Chamberlain, Rachel Chang, Ansh Chaudhary, Aaron Claussen, Sujay Dewan, Ben Dunham, Edward Escandon, Ellie Epskamp-Hunt, Jake Fenton, Emily Fletcher, Zac Folsom, Nick Gaunt, Anirudh Ghantasala, Angus Gibbs, Abhay Goel, Marty Graube, Gagan Gupta, Andrew Hepp, Jared Hoffman, Phoebe Huang, Kyle Janowicz, Humza Khan, Subhodh Kotekal, Abhiram Krishnan, Alex Lim, Ben Maddux, Cydney Martell, Tate Mazer, Chloe Mendez, Kyle Milka, Zach Mills, Humza Mirza, Jordan Nagy, Jacob Naranjo, Michael Orwin, Dhara Patel, Sam Peters, Rachel Polus, Grace Reid, Skylar Rizzolo, Katherine Rothe, Hanna Rumora, Thomas Rupp, Tom Sandell, Manak Singh, Samuel Sly, Maria Stull, Reinie Thomas, Ethan To, Steven Vorbrich, Sam Wachowski, Raoul Wadhwa, Matoska Waltz, Jenner Wile, Taryn Withers, and Daniel Woodworth.

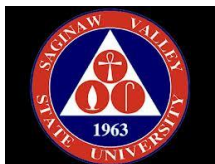
2013 Saginaw Valley State University ACM HS Programming Team



Sixty-six computer science students from the Kalamazoo Area Math Science Center attended the annual Saginaw Valley State University ACM High School Programming contest. It was KAMSC's twelfth straight appearance since 2002, and it was the fourth straight year where Kalamazoo area students swept the competition.

CS Team members are Evan Batsell, Jon Brelje, Brice Calco, Carter Chamberlain, Rachel Chang, Ansh Chaudhary, Aaron Claussen, Sujay Dewan, Ben Dunham, Seth Eldridge, Ellie Epskamp-Hunt, Ed Escandon, Jacob Fenton, Ed Fenwick, Thomas Finch, Anirudh Ghantasala, Angus Gibbs, Abhay Goel, Marty Graube, Gagan Gupta, Colby Hanley, Andrew Hepp, Jared Hoffman, Phoebe Huang, Humza Khan, Subhodh Kotekal, Abhiram Krishnan, Kimberly Kwon, Binh Le, Alex Lim, Ben Maddux, Cydney Martell, Tate Mazer, Chloe Mendez, Kyle Milka, Helena Mills, Zach Mills, Humza Mirza, Jordan Nagy, Jacob Naranjo, Colleen Orwin, Michael Orwin, Kayla Park, Dhara Patel, Sam Peters, Rachel Polus, Farzad Razi, Grace Reid, Skylar Rizzolo, Hanna Rumora, Thomas Rupp, Tom Sandell, Abby Shirey, Manak Singh, Sam Sly, Maria Stull, Ethan To, Steven Vorbich, Sam Wachowski, Raoul Wadhwa, Matoska Waltz, Jenner Wile, Taryn Withers, Tristan Woodsmith, Daniel Woodworth and Katherine Wu.

Contest winners Brelje, Gupta and Krishnan earned \$50 Best Buy gift cards. Dewan, Goel and Milka placed second overall receiving \$25 gift cards. Rounding out third with \$15 gift cards were Mazer, Polus and Rumora.



2013 University of Michigan Dearborn Engineering & CST



Thirty-four juniors and seniors from the Kalamazoo Area Math Science Center teamed up for the 8th annual University of Michigan-Dearborn Engineering and Computer Science Experience. For the sixth straight year KAMSC has had at least one team finish the Computer Science competition in the top two, earning either \$1000 cash or \$400 in Barnes & Noble gift cards. This year KAMSC programmers placed 2nd, 4th, 5th, 6th and 7th in CS. Additionally, KAMSC placed third overall in the Web Design contest and finished 6th and 8th in the Engineering contest.

Team members included **CS Team:** Jon Brelje, Ben Dunham, Thomas Finch, Anirudh Ghantasala, Abhay Goel, Gagan Gupta, Jared Hoffman, Abhiram Krishnan, Kyle Milka, Helena Mills, Jacob Naranjo, Steven Vorbrich, Raoul Wadhwa, Katherine Wu. **Engineering Team:** Grey Braybrooks, Humza Khan, Katherine Rothe, Thomas Rupp, Tom Sandell, Genevieve Sertic, Manak Singh, Sam Sly, Sam Wachowski, Jenner Wile. **Web Design Team:** Jeremiah Boswell, Brice Calco, Carter Chamberlain, Jake Fenton, Angus Gibbs, Andrew Hepp, Tate Mazer, Sam Peters, Ethan To, Taryn Withers.

Placing second overall in CS were Goel and Wadhwa while Vorbrich and Ghantasala placed fourth. Gibbs and Chamberlain finished 3rd in Web Design. Sly, Singh, Braybrooks and Wachowski had top ten finishes in the Engineering Competition.



National Center for Women & Information Technology



KAMSC computer science teacher and computer teams coach, Shannon Houtrouw, has been honored as a top educator by the Michigan Affiliate of the National Center for Women & Information Technology. NCWIT was honoring the role of young women in computer science. KAMSC students also comprised 9 of the 17 students to receive national and state awards from the organization at an award celebration hosted at Calvin College in March.

Of the KAMSC students honored by NCWIT, Reinie Thomas was one of two Michigan students selected as a national winner. All the national award winners were honored at an earlier ceremony in Charlotte, NC. Three KAMSC juniors were both state finalists and runners-up for the national award: Kitu Komya, Rachel Polus, and Genevieve Sertic. The others who received statewide honors were seniors Phoebe Huang, Katie Lee, Helena Mills, Colleen Orwin, and sophomore Cydney Martell.

In addition, 8 of the 10 state runners-up were KAMSC students: Rachel Chang, Kathleen D'Souza, Carolyn Hamman, Grace Reid, Katherine Rothe, Hanna Rumora, Betsy Strehl, and Katherine Wu. Congratulations ladies!



2013 Miami University Association for Computing Machinery



Teams from the Kalamazoo Area Mathematics and Science Center swept the top three places in a recent computer programming competition at Miami University in Ohio. Twenty-seven KAMSC students participated in the annual Association for Computing Machinery contest that draws the best high school programmers in the Midwest.

KAMSC students winning awards were:

- Seniors Jon Brelje, Gagan Gupta, Raoul Wadhwa, and junior Abhay Goel placed first overall in the four-hour event by being the only team to successfully solve all 12 challenge problems.
- Seniors Abhiram Krishnan, Helena Mills, Steven Vorbrich and junior Kyle Milka placed second out of 29 teams by finishing 11 of 12 problems.
- Three teams (including Indiana's Park Tudor and Michigan's Midland High) finished 10 of 12 problems, but the tie-breaker went to KAMSC juniors Aaron Claussen, Jacob Naranjo, Tom Sandell and Katherine Wu for finishing the fastest and for doing so with no erroneous submissions.

KAMSC seniors Thomas Finch, Andrew Hepp and Daniel Woodworth finished 11th with nine solves.

Ansh Chaudhary, Ben Dunham, Dhara Patel and Maria Stull, all KAMSC juniors, also had nine solves and finished in 14th place.

Rounding out this year's KAMSC Miami U. team are juniors Emily Fletcher, Tate Mazer, Sam Peters, Thomas Rupp, and sophomores Ed Fenwick, Kimberly Kwon, Ben Maddux and Ugo Nwagbo.

2013 Michigan State University Computer Programming Competition



Four three-person teams from the Kalamazoo Area Math & Science Center placed in the top five in Michigan State University's first computing programming competition for high school students. KAMSC coders used Java and C++ to solve a set of challenge problems under timed conditions. Those who finished in the top three earned Best Buy gift cards.

Placing first overall were KAMSC seniors Abhiram Krishnan and Steven Vorbrich and junior Kyle Milka. Second place went to juniors Ben Dunham, Ed Escandon and Jacob Naranjo. KAMSC programmers also took fourth and fifth places. Other team members included senior Ani Ghantasala, juniors Carter Chamberlain, Ansh Chaudhary, Nicholas Gaunt, Humza Khan, Dhara Patel, and sophomores Bill Baldwin, Evan Batsell, Ed Fenwick, Subhodh Kotekal, Cydney Martell and Ugo Nwagbo.



2013 American Computer Science League International All-Star Contest



Two five-member teams from the Kalamazoo Area Mathematics and Science Center took second place in their respective divisions at the 2013 American Computer Science League International All-Star contest in Raleigh, N.C. Nearly 80 of the best teams from the U.S. Canada, Romania, Croatia, and Slovenia competed in four high school divisions and one junior high division.

KAMSC seniors Jon Brelje, Gagan Gupta, Abhiram Krishnan, Steven Vorbrich, and Raoul Wadhwa finished second in the United States and second overall in the Senior-5 division behind Washington, D.C. area magnet Montgomery Blair High School. This was KAMSC's best all-star senior division finish in 15 years of competition.

KAMSC juniors Aaron Claussen, Abhay Goel, Kyle Milka, Jacob Naranjo and Tom Sandell finished first in the U.S. and second overall in the Intermediate-5 division behind Grigore Moisil National College, a Romanian secondary school.

Five KAMSC students—Goel, Gupta, Krishnan, Naranjo and Wadhwa—received individual honors for finishing with perfect scores. Claussen and Sandell also received awards for nearly perfect individual scores.

KAMSC's all-star alternate team included seniors Colleen Orwin, Daniel Woodworth, and junior Ben Dunham.

ACSL Classroom Division Winners



Individual Winner:
Binh Le (39/40)
Outstanding Achievement Awards:
Hailey Blinkiewicz & Carolyn Hamman

2013 Coca-Cola Scholars Foundation



National Scholar \$10K Finalist:
Reinie Thomas
Joseph B. Whitehead Educator of Distinction:
Shannon Houtrouw

2013 Michigan Technological University National Summer Transportation Institute



KAMSC Students Excel at Competitive Scholarship Engineering Camps: For the second time in 3 years, KAMSC kids swept the balsa wood bridge building contest at Michigan Tech University's National Summer Transportation Institute (NSTI) engineering youth camp. Gull Lake juniors Bill Baldwin and Ed Fenwick, and Portage Northern seniors Dhara Patel and Kyle Milka enjoyed the rare privilege of climbing to the very top of the Mackinaw Bridge South Tower.

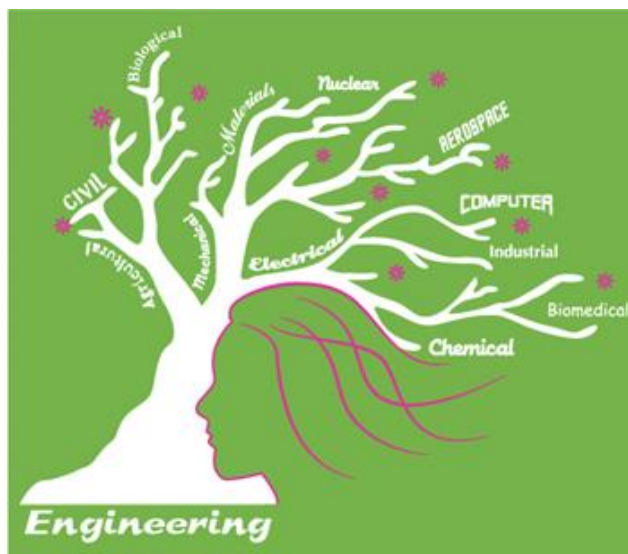
Some things to keep in mind...

Each year students have the opportunity to put part of their summer to good use by taking advantage of computer science and engineering camps that are available, especially those that are funded or partially funded. Michigan Tech University has a series “Competitive Scholarship Programs” that are part of their summer youth camps. Students apply by writing an essay describing their interest in engineering or computer science. Teacher recommendations and a year or two of math and science classes are requisites.

KAMSC students who applied successfully this year, and the camps they attended include:

- Women in Engineering (WIE)—Abby Chapin.
- Engineering Scholars Program (ESP)—Evan Batsell, Tate Mazer and Zach Mills.
- Women in Computer Science (WICS)—Kathleen D’Souza, Colby Hanley, Kimberly Kwon, Dhara Patel, Grace Reid, Maria Stull and Katherine Wu.
- National Summer Transportation Institute (NSTI)—Bill Baldwin, Evan Batsell, Ellie Epskamp-Hunt, Ed Fenwick, Subhodh Kotekal, Ben Maddux, Kyle Milka, Dhara Patel, Parker Russcher and Amber Salome.

Additionally, as a result of teacher collaboration with the 6-week NSF-funded Research Experience for Teachers (RET), hosted at Michigan State University this summer, one young lady was able to attend MSU’s BEACON camp for free. We sent three! BEACON is a one-week summer residential program, by invitation only, for 11th and 12 graders. The website describes it as, “This NSF-funded Science and Technology Center program focuses on preparing a diverse new generation of scientists and engineers with the advanced STEM skills necessary to advance interdisciplinary research on evolution in action, and develop innovative applications with actively evolving biological and technological systems.” The three KAMSC kids who accepted the invitation were Comstock senior Amber Salome, and Gull Lake juniors Carolyn Hammon and Cydney Martell.

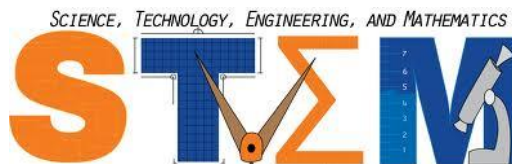


KAMSC Teacher Shannon Houtrouw Selected for Engineering Research Program



Computer Science teacher Shannon Houtrouw was one of nine Michigan STEM teachers invited to be matched up with nine of Michigan State University's professors in their aforementioned RET program. Here is a description of the program from the program director, Drew Kim: "NSF Research Experiences for Teachers (RET) Site on Robotics Engineering for Better Life and Sustainable Future. It is our second award as we completed our first 3-year cycle producing 30 plus STEM teachers in our previous program with over 90% publishing on the TeachEngineering.org national Clearinghouse for middle and high school STEM teachers. Teachers work alongside a graduate student and faculty on a research topic appropriate for STEM teachers. At the conclusion of the 6-week program teachers will develop an innovative and creativity driven curriculum consistent with state and national curriculum standards, for publication to TeachEngineering.org."

The research projects all had some kind of a connection to robotics engineering research. Mr. Houtrouw's assignment involved research in biometrics that explored typing behavior as a non-intrusive, privacy-sensitive means of continuous computer user identification authentication.



A Note from the Parent Organization

The 2012-2013 year was another fantastic year to be a part of the KAMSC family. The students, parents, and KAMSC staff successfully completed many projects over the year. With everyone's help, the Parent Organization was able to provide money for student awards, competition fees, guest speaker honorariums, and field trips. The Parent Organization was also able to provide support for other special events such as College Night, Freshmen Orientation, and the end of the year staff appreciation lunch.

Our mission is for our students to reach their goals successfully and we all have different roles and responsibilities to accomplish that. What takes place at KAMSC year-in and year-out takes challenging, coordinated effort by all involved and we thank you for that. Whether it was the Freshman Orientation or Mixer, the Open House, the Senior-Mentor Tea, the Senior Recognition/Graduation Ceremony, KAMSC staff luncheon, Pi Day or field trips... these are examples of events that took a great deal of attention, detail and preparation. We truly appreciate what you have done and you will be rewarded in one way or another, but mainly by the impact your actions have left on our kids.

Teachers, director, and office team: we cannot thank you enough for all of the hours you put into making the experience at KAMSC special for our children. The direction and guidance you provide our students is what makes their experience manageable and rewarding.

Parent Organization volunteers: thank you for another great year at KAMSC and for your involvement.

KAMSC parents: if you have not yet become involved, or your child is about to join the KAMSC family, we ask that you please get involved. Come to our meetings and get involved; this is a great opportunity to make a difference!

Shaher Ahmad, President

2013-2014 KAMSC Parent Organization Meeting Schedule

Meetings start @ 6:15pm in the KAMSC Presentation Center

Month	Date	Month	Date
Sept	18 th	Feb	19 th
Oct	16 th	Mar	19 th
Nov	20 th	April	16 th
Dec	18 th	May	14 th
Jan	22 nd		

Parent Organization 2013-2014

President: Shaher Ahmad (PNHS)
 Vice President: Shawn Hinga (PaHS)
 Treasurer: Karen Woodworth (KCHS)
 Secretary: Justine McKenzie (PNHS)
 Parent Ambassador Coordinator: Amy Schaefer (PCHS)
 Volunteer Coordinator: Sue Bourget-Coles (PCHS)
 Student Senate Advisor: Rodney Pruitt (KCHS)
 Senior Activities Coordinator: *vacant*

The list above has an opening that needs to be filled for the 2013-14 school year. The KAMSC Parent Organization is critical for the success of our mission and we cannot do an effective job shorthanded. Come join us. You will not regret it. Please contact Shaher Ahmad with questions regarding open positions at (269) 903-5499. Thank you.

Student Advocate News from Ms. Joyce

Congratulations to the KAMSC class of 2013!

We are proud of the hard work and commitment to learning demonstrated by the class of 2013. The class of 2013 collectively received 223 acceptances to 68 different colleges. As they attend college they plan to use \$3,381,676 in scholarships and grants they have been awarded. We look forward to seeing them back at Alumni Day in December!

Questions?

Visit my website (in the links on the kamsconline.com homepage) for answers to frequently asked questions for students and parents: <http://kamscadvocate.weebly.com>

How to send a KAMSC transcript

Your sending high school includes KAMSC grades on its transcript. We recommend that ***in addition*** to your official high school transcript you send a KAMSC transcript with your college and scholarship applications. The KAMSC transcript will include the full KAMSC course names (which are sometimes abbreviated on a sending school transcript) and a KAMSC school profile and course descriptions are also sent with the KAMSC transcript. To request a KAMSC transcript, go to **Parchment.com**. The first time you use **Parchment.com** you will need to follow the directions to create an account. Please use this site to requests transcripts sent electronically and sent by mail.

Scholarships

The Kalamazoo Foundation Scholarship Guide at kalfound.org has local scholarship information. **Fast Web** is a free scholarship search available at www.fastweb.com. Avoid sites that ask you to pay a fee for information.

College Planning Resources

The following books are available for parents and students to check out. Please email Ms. Joyce at rjoyce@kamsc.k12.mi.us.

- *Colleges That Change Lives: 40 Schools That Will Change the Way You Think About Colleges*
- *The Insider's Guide to the Colleges, 2012: Students on Campus Tell You What You Really Want to Know*
- *The Hidden Ivies: 50 Top Colleges -from Amherst to Williams-that Rival the Ivy League*
- *8 First Choices: An Expert's Strategies for Getting into College*
- *How to Be a High School Superstar: A Revolutionary Plan to Get into College by Standing Out (Without Burning Out)*
- *Fiske Guide to Colleges 2012*
- *The Complete Book of Colleges, 2012 Edition*
- *Fiske Countdown to College: 41 To-Do Lists and a Plan for Every Year of High School*
- *The College Bound Organizer: Step-by-Step Organization to Get in to the College of Your Choice*

Student Advocate News continued...

- *Crazy U: One Dad's Crash Course in Getting His Kid into College*
- *adMission Possible: the "Dare to Be Yourself" Guide for Getting into the Best Colleges for You*
- *2013 College Board Book of Majors*

Secret Study Strategies of Skillful Students Workshop: Thank you to the students who participated in our winter workshop! We will have another study skill workshop this fall. While some of the information was top secret (you'll have to attend a workshop), I can reveal that KAMSC upper class students emphasized these points:

1. Plan work time in a quiet place without distractions (that includes phones, computers and siblings). Work for a set 50-90 minute period and then take a true break.
2. Take careful notes.
3. Review your notes and graded work. Make notes of questions you have on post it notes and bring those questions to your teachers.
4. Don't be afraid to talk to your teachers! Communicating with your teacher sets you up for success in high school and college.

KAMSC Parents/Guardians VOLUNTEERS

Thanks go out to all of the parents/guardians and volunteers who sacrifice their time helping out with multiple undertakings at KAMSC. Without your assistance, we would be short-staffed and face challenging deadlines while trying to accomplish the necessary tasks, all which contribute to the success of KAMSC. You are a very important part of the equation and we could not be as effective without your help!

A Special "Thank You".....

The KAMSC staff would like to thank donors for their generous donations of copy paper, markers, boxes of tissue, etc., plus the monetary contributions which were given last school year. Your generosity is very much appreciated!



KAMSC Public Calendar

Check the KAMSC calendar for upcoming events and days on which we are not in session. Go to the KAMSC website (www.kamsconline.com), at the bottom of the page click on 'links' and then choose KAMSC Public Calendar.

Lost & Found Items



Each year, several items are turned in to the lost & found, which is located in the KAMSC office. Please feel free to stop by to see if anything belongs to you. Items found include: hats, gloves, scarves, jackets, hoodies, binders, etc. Items not claimed will eventually be donated to Goodwill.



Elevator Use

Students may use the elevator only for medical or physical reasons and only for a specified period of time. The KAMSC policy requires either a note from your doctor indicating your need or a parent phone call to the office. Students may have one other KAMSC student assist them with carrying their personal items (backpacks, books, etc.) on the elevator.

Backpack Reminder



Students may leave backpacks in front of lockers and shelves only. Please do not block doorways, elevators, fire boxes, etc. The backpacks should be set close to the lockers, walls, etc. so that others do not trip on them.



Parking Stickers

Students who drive to and park at KAMSC are required to register their vehicles with the KAMSC office and be issued a free KAMSC parking sticker. Students with cars not displaying a KAMSC parking sticker may be towed. Students - please remember to park in the student parking area, which is the north end of the parking lot (north of Dutton Street and west of Pearl Street). If you have any questions, please contact the office at 337-0004.

Open Lab Nights



Open lab occurs Wednesday evenings, from 6-7:30PM, starting in mid-September. As a reminder, students should be picked up in a timely manner after open lab.



School Closings

Severe weather often brings school closings and early dismissals. If Kalamazoo Public Schools close due to bad weather, KAMSC will be closed. Full-day closing procedures start with an announcement at approximately 6:00 am on local broadcasting stations and will be posted on the KAMSC website, www.kamsconline.com. Students whose district school is closed for a snow day on a day that KAMSC is open are **strongly encouraged to consider safety first** when deciding whether or not to attend their KAMSC classes.

Tentative Rolling Calendar 2013-14

Keep in mind that dates & times are subject to change.

If you have any questions about events, please feel free to contact Mrs. Champion or Mrs. Ingles at 337-0004 or visit the KAMSC website.

DATE	DAY	TIME	DESCRIPTION
8/26/2013	Monday	2:00 - 5:00 PM	9 th Grade Orientation
9/2/2013	Monday		Labor Day - No School
9/3/2013	Tuesday		No Students
9/4/2013	Wednesday		KAMSC School Begins
9/4/2013	Wednesday		No Open Lab
9/10/2013	Tuesday	2:00 PM	Navy Career/College Info
9/11/2013	Wednesday	6:30 - 8:30 PM	Open House
9/18/2013	Wednesday	6:00 - 7:30 PM	Open Lab Begins (Every Wed. unless otherwise indicated)
9/18/2013	Wednesday	6:00 - 7:30 PM	9th Grade Mixer
9/18/2013	Wednesday	6:15 - 7:00 PM	Parent Organization Meeting
9/20/2013	Friday	2:00 PM	Case Western Reserve Univ.
9/23/2013	Monday	2:00 PM	MSU College Visit
9/23/2013	Monday	2:00 PM	Michigan State Univ
9/24-26/2013	Tues-Thurs		Bog Visit - 9th graders
9/25/2013	Wednesday	2:00 PM	U of M College Visit
9/25/2013	Wednesday	7:00 - 9:00 PM	KAMSC College Night
10/1/2013	Tuesday	TBD	MMPC Part 1 Testing
10/1/2013	Tuesday	2:00 PM	University of Notre Dame
10/2/2013	Wednesday		Count Day
10/7/2013	Monday	2:00 PM	Michigan Tech Visit
10/14/2013	Monday	6:30 Seniors 7:00PM	Yale University
10/21/2013	Monday	2:00 PM	Washington University in St Louis
10/25/2013	Friday		9th KAMSC Olympiad
11/1/2013	Friday		No Students
11/4/2013	All Week	All Day	Spirit Week
11/13/2013	Wednesday	5:30 - 8:30 PM	Parent Teacher Conferences
11/14/2013	Thursday	5:30 - 8:30 PM	Parent Teacher Conferences
11/15/2013	Friday	7:30AM - 2:30 PM	Parent Teacher Conferences
11/15/2013	Friday		No Students
11/27/2013	Wednesday		No School
11/28-29/2013	Thurs - Friday		Thanksgiving Break
12/1/2013	Sunday	2:00	Senior Tea
12/3,4,5/2013	Tues - Thurs		9th Grade Research Onset
12/4/2013	Wednesday	7:00 PM	8th Grade Open House
12/4/2013	Wednesday		No Open Lab
12/11/2013	Wednesday	TBD	MMPC Part 2 Testing
12/20/2013	Friday	TBD	Alumni Day
12/21-1/5/2014			Winter Recess
1/13-14/2014	Mon - Tues	TBD	Exams (AM)
1/13-15/2014	Mon - Wed	TBD	Exams- (PM)
1/15/2014	Wednesday		No Open Lab

Keeping KAMSC Families Informed

Phone: (269) 337-0004 ● FAX: (269) 337-0049 ● Website: www.kamsconline.com