



# IB INTELLECT



Much has happened over the past few months. As you read the following news and updates, I hope that you can sense the progress that is taking place within the IB Magnet Program here at Adams High School. New adventures and projects seem to be happening frequently, and helpful parents, teachers, and administrators have caught on to the excitement as well. Perhaps the best example of new initiatives established by students is the TEDx presentation that was held at the school recently. When students get involved and take charge of new ideas, the benefits to all are more far-reaching than we can imagine. With these thoughts, I wish everyone Happy Holidays and may the New Year be one of great success to one and all! Dr. Mika

## IB STUDENTS GET REGISTERED FOR MAY 2014 TESTING

A total of 176 students were registered for IB testing before the first registration deadline of Nov.15. It is hoped that all students registered, which will help minimize costs for SBCSC. Readers may be interested to know that the cost of each student registration is \$157 and each test taken costs \$108. We are extremely grateful to the South Bend Community School Corporation for its continued support of our program which is recognized as the most rigorous academic program in the city. As noted by Aiden Reilly in the recently published JAHS *Tower* newsletter, the IB program has helped us in “*establishing a firm grip on the title for best academic school.*” Of the students who registered for 2014 tests, a total of 29 students are IB Diploma candidates who are on schedule to complete the prestigious IB Diploma in May. Another 36 juniors are on track for a 2015 Diploma as “Anticipated” graduates and most will test in only one subject in May, leaving the remainder of tests for the senior year. We wish everyone much success as you continue into the Spring and complete the last few months of studies.

## SEVEN IB STUDENTS PRESENT RESEARCH AT IU MEDICAL CENTER

By Nevin Longenecker

Seven Students for John Adams’ research class were selected to present their work at Indiana University Medical Center. A total of twelve students from across the state of Indiana were invited to present their work. John Adams High School student Sydney Imes was selected as the top research student in Indiana. She will present her research at the American Association for the Advancement of Science Convention in Chicago in mid-February. Below, we are happy to recognize the students and their respective projects:

- Sydney Imes – Role of Long-Term Ingestion of the Supplemental Lovastatin and Cholesterol on Cognitive Function
- Aubrey Curl – A Study of the Possible Role of Long-Term Ingestion of the Amino Acid Taurine on Physical Fitness
- Madeline Doctor – Improving the Electrode Kinetics and Operational Lifetime of a Prototype Membraneless Glucose-Oxygen Physiological Fuel Cell
- Elizabeth Bays – The Effects of Indole on the Survival of Bifidobacteria
- Raymond Han – The Effects of Hydrophobicity and Microporous Layers in the Membrane Electrode Assembly of a Direct Methanol Fuel Cell to Enable Efficiency Operation Using High Concentration Fuel
- Claire Rice – Effects of Graphene Oxide Ingestion on Hatchability and Elongation of Brine Shrimp
- Claudia Taccheri – A Study of the Possible Role of Long-Term Ingestion of Coenzyme Q10 on Cognitive Process



Front Row (left-right): Aubrey Curl, Sydney Imes, Madeline Doctor, and Elizabeth Bays. Back Row (left-right): Raymond Han, Claire Rice and Claudia Taccheri.

(Photo: Courtesy of Nevin Longenecker)

## **JUNIOR IB STUDENTS ATTEND THE IB EXPERIENCE CONFERENCE**

On November 1, a group of 14 students along with Mrs. Woodward (IB Visual Arts) and Dr. Mika headed to the University of Indianapolis for the annual student-led conference for IB students. An excellent conference was hosted by the university and included informational sessions with plenty to learn. Students learned about the IB Program, the required TOK, CAS, Extended Essay components, along with topics such as university admissions processes for American colleges and universities, as well as the acceptance and ease of applying to schools in the United Kingdom. The IB is a world renown program, and all students were encouraged to consider applying for schools in Canada and Europe. In many of these schools, entrance requirements are much easier to complete, and the Bachelor's degree is only a three year program (UK & Canada) rather than the four year program that we are accustomed to here in the United States. Upon return to South Bend, many students expressed interest in getting involved and participating in next year's conference by presenting some insights that many others will be interested in learning about. Participation in such events and conferences is highly encouraged by teachers and students alike.



Junior IB students at two tables enjoying lunch



Students at the University of Indianapolis

## **MAGNET FRESHMEN EXPERIENCE ETHNIC DIVERSITY**

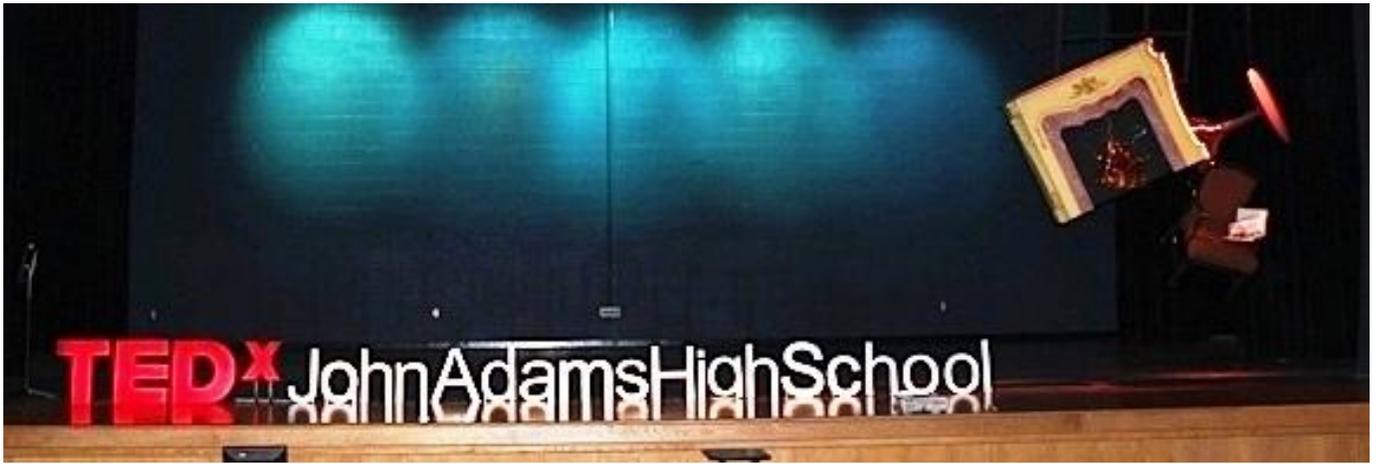
For the third year in a row, Magnet Freshmen had the opportunity to travel to the Indiana International Festival in Indianapolis on November 22. This year, a total of 80 students and parent chaperons traveled on one large Royal Excursion coach and one smaller mini-coach. Students were able to explore the world by visiting ethnic booths, collecting information and getting a stamp for their passports, while parent chaperons as well as Principal Mrs. Reese who joined us for the tour, were able to enjoy the special programming and browsing the ethnic booths. Food is always a major attraction, and everyone enjoyed the opportunity to eat food from distant lands such as Egypt, Italy, Taiwan, and Indonesia. Highlights of our visit included hearing music from the Middle East and India, along with dancers from the Philippines and Spanish flamenco dancers with much audience participation. Thanks to all parents - Mrs. Gallegos, Mrs. Helmuth, Mrs. Kohlmeier, Mrs. Patterson, Mr. Safur, Mr. Trzaskowski, and Mrs. White - for helping out.



Visiting the display booth for Taiwan

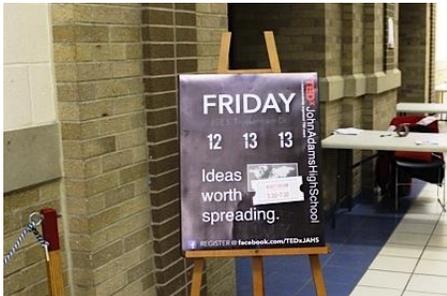


On the bus heading home



**TEDx JOHN ADAMS HIGH SCHOOL IS A BIG SUCCESS!**

Nearly all of the one hundred registered guests attended the first-ever TEDxJohnAdamsHighSchool talk in the school auditorium on Friday, December 13. Visitors to the event came from as far away as Elkhart, Indiana to listen to three invited speakers who shared their views and research results on topics such as adolescent student leadership roles by Dr. Kelly Jordan (Holy Cross College), adolescentability and how students often learn more outside of our schools than within them by Dr. Susan Blum (Notre Dame), and sharing a “penny for your thoughts” in which relationships, identity, and perceptions matter by Dr. David Moss (SBCSC). Organized by IB Seniors Raymond Han and Abigail Brockman, the event also included previously recorded TED talks by well-known speakers including Daniel Tammet and Malcolm Gladwell. The center stage layout including a very smart TEDx sign, while to the right a wonderful backdrop with a window, fireplace, table, and books were suspended in the air. All these props were prepared by several students under the direction of theatre director Tony Moranda – all of whom were recognized at the conclusion of the event by stepping onto the stage to strong applause from an appreciative audience. The speakers stood left of the screen while using a large center screen to show various powerpoint slides and video clips. Filming and audio of the talks were coordinated by Vinny Bilancio and Jeff Kroger, and it is hoped that in several months, the talks may be posted on the TED website. Because of the careful preparations ahead of time, the event went off very well, and numerous comments heard from the audience at the conclusion of the event were very encouraging. A comment by Junior IB student Sarah Bowling nicely captures this feeling - *“I loved the event. It raised many ethical perspectives and it did it though members of our own community. It opened up ways for us, as individuals, to change our perspectives of the world.”* It is believed that this was the first-ever TEDx event among area high schools, and the hopes are high that this is a start for something that students will consider organizing once again next year.



Promotional posters in school



Dr. Mika served as MC



Dr. Jordan on student leadership



Dr. Blum on what and where we learn



Dr. Moss on the box – in and out



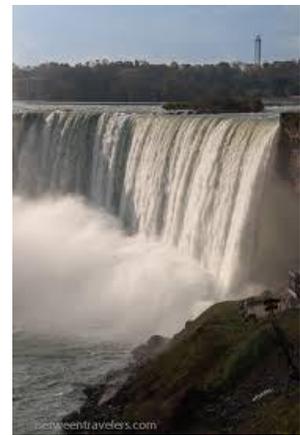
Cupcakes by Thaddeus after the event

## UPCOMING ADAMS HIGH SCHOOL ART SHOW AT IUSB

We are excited to announce that the Ernestine M. Raclin School of the Arts at Indiana University South Bend have scheduled an exhibit of 2D and 3D artwork by our IB program students, including drawings, paintings, mixed media artwork, ceramics, and sculpture to be displayed from March 31 to April 13 in the second floor reception area of the Administration Building. A reception is scheduled for Friday, April 4 from 5-9 pm. The exhibition is listed in the 2013-2104 IUSB Art Gallery Season Schedule, and we hope many families and friends, and supporters of our student artists will plan on visiting the exhibition during this time. For more information, please contact our Art Department Chair - Mrs. Judi Kubacki.

## SPRING BREAK IN MONTREAL FOR SOPHOMORE MAGNET STUDENTS

There is room for three more girls or three boys to join our Spring Break trip to Montreal, Canada. A group of 10 students will be able to travel to Montreal by van with Dr. Mika and Mrs. Roinila for April 1-6, 2014. Our plans include an overnight stay in downtown Toronto and visit the CN Tower, and continue to Montreal for three days and visit with JAHS graduate Bernard Cecire (2013), who is now a student at McGill University, attend a theatre production, and see the local sites. On our return we will spend a night at Niagara Falls, Ontario, before returning to South Bend. The total cost is only **\$650** and includes accommodations, two meals per day, all event tickets, as well as vehicle rental, gas, and insurance costs. If you are interested, please see Dr. Mika in Room 2117 as soon as possible for an itinerary and more details.



## UPCOMING EVENTS:

Dec.23-Jan.5	Winter Recess
Jan.15	Second deadline for registering IB students for testing
Jan.16	End of Semester 1
Jan.17	Teacher Record Day – no classes
Jan.20	Martin Luther King Jr. Day – school closed
Feb.14	Deadline for IB Intellect submissions for Issue #3
Feb.17	Presidents' Day – school closed
Mar.31-Apr.13	IB Art Exhibit at IUSB
Apr.1-6	Magnet Sophomores to Montreal, Canada

## STAY CONNECTED WITH THE IB INTELLECT

Stories from students and teachers are encouraged. Please submit materials to Dr. Mika. The deadline for the next issue will be Friday, February 14, 2014. If you would like to be added to the e-mail list for Adams IB Magnet families, please send your e-mail address to Dr. Mika at [mroinila@sbcsc.k12.in.us](mailto:mroinila@sbcsc.k12.in.us).

The IB Intellect is a Newsletter of the John Adams High School  
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