



IB INTELLECT



HAPPY NEW YEAR!

As students start their second semester of the year at Adams, many of our IB students will be in the last semester of their high school careers. With every week, they are closer to the graduation date on June 8 that completes their secondary education. Some rising sophomores will seriously want to consider their course options this month, as they select the courses for next year. Students have heard me speak about the benefits and requirements needed for completing the IB Diploma, and the benefits in taking IB courses, many of which can be used for dual credit in universities following high school.



Sue Stangas receives a plaque of recognition from Dr. Kelly Jordan.

IB STEERING COMMITTEE RECOGNIZES SERVICE

The IB Steering Committee, under the leadership of committee chair Dr. Kelly Jordan recently recognized Mrs. Sue Stangas for her service to the IB Steering Committee and the IB Program. Mrs. Stangas is the proud mother of IBD graduates Peri (2012) and Deanna (2014). Her service and humble spirit, along with her ideas and enthusiasm for the IB Program were greatly appreciated by all committee members during her tenure with the committee. We will miss you.

THE BENEFITS OF THE IB PROGRAM

So what are the benefits of the IB Program? This is a question that many often ask teachers and administrators here at Adams High School. You may be surprised to learn that more than 3,900 schools in the world have thus far chosen to teach IB programs at the Primary, Middle Years, and Diploma levels, with their unique academic rigor, and their emphasis on students' personal development. According to the IBO website, those schools employ over 70,000 educators, teaching more than one million students worldwide. Here in northern Indiana, there are only five schools that offer IB classes, and they are found in Chesterton, Goshen, Middlebury, South Bend, and Valparaiso.

Research indicates that Diploma Program graduates complete college faster than their peers, feel more prepared for college-level coursework involving research, and are better able to cope with demanding workloads and time-management challenges. Students at IB World Schools are given a unique education, in which they are encouraged to think independently and drive their own learning. They can take part in programs of education that can lead them to some of the highest ranking universities around the world. They become more culturally aware through the development of a second language. They will also be able to engage with people in an increasingly globalized, rapidly changing world. These are some of the benefits of the IB program – and we are proud to say that our students continue to benefit from their successes earned from John Adams High School. For more information on the benefits of IB, see <http://ibo.org/en/section-benefits/>

I SEE IB

The Indiana Association of IB Schools will host a Juried Art Show to highlight the creativity of IB artists and learners across the state. The Art Show will take place in The Art Space in the Athenaeum in the heart of art district in downtown Indianapolis during the period June 5-28, 2015. The show will provide opportunity for IB artists to participate in a juried show, and build excitement and knowledge of the IB programs across the state of Indiana.

If any IB student from Adams High School is interested in participating, you will need to submit 1-3 works of art during May 11-18. From each school's entries, at least one of the works will be selected to be a part of this juried show. Prizes include best in show (\$100), and honorable mentions for Primary Years Programs, Middle Years Programs, and Diploma Programs (\$50). For more information and rules, please see Judi Kubacki, Dawn Worsham, or Dr. Mika.



VISITING WITH SOUTH BEND ROTARY CLUB

The South Bend Rotary Club invited Dr. Mika to speak at a meeting at the Century Center on December 31.

As noted by David Carr on the Rotary website, "Dr. Roinila's anthropology class recently participated in a Children's Culture Connection program, sponsored by Adams High School, and underwritten in part by the Rotary Club. The Adams students were able to experience a slice of the daily lives of Afghani children living in a refugee camp of 6,000 people outside of Kabul, Afghanistan. The program included reading journals and watching video clips provided by Dina Fesler of Minneapolis, who was nominated for a Nobel Peace Prize for her work. The students learned much about life in an Afghani refugee camp and saw how Fesler was working to improve vocational, educational, and medical opportunities for the camp's children through donations from her community in Minnesota. The older children were taught in a makeshift school called "Bridges Academy" and the older children then taught the younger children what they learned." - See more at: <http://portal.clubrunner.ca/3964>

IB STUDENTS RECEIVE SCIENCE RESEARCH FUNDING

Following a fifty-year pattern of success, eight JAHS students recently learned that their research proposals had been funded by the American Association for the Advancement of Science. This national organization funds professional scientists' work and provides support for a limited number of high school investigations. Most of the students' investigations continue last year's work in the science research class and in addition will satisfy the Extended Essay requirement for the IB Diploma program (students are listed left to right in photograph below).

Anna Santiaguel- *Electricity Generation using Bioremediation of Wetland Water and Wetland Sediment in a Fuel Cell.* **Alisa Porile-** *Effects of Altered "g" Forces on the Retention of Trained Responses in Classically Conditioned Planarian Flatworms.* **Stephen Bauer** *Using Hydrophobic Microporous Layers and Enhanced Air Flow to Reduce Methanol Crossover in a Direct Methanol Fuel Cell.* **Nate Ritzler** *An Evaluation of the Antioxidant Potential and Efficacy of Supplemental Antioxidants Related to Physical Fitness.* **Katherine Dyer-** *The Efficacy of Various Redox Mediators in Improving the Longevity and Power Output of a Membrane-less, Enzymatic Glucose-Oxygen Physiological Fuel Cell* **Adam Staszewski-** *Computer Aided Identification of Blood-borne Illnesses and Other Undesirable Pathogens Common in Third World Countries.* **Joshua Isaacson** *The Classification of Basal Cell Carcinoma from Benign Tumors and Normal Tissue using Promising Machine Learning Models.* **Colin Lofy** *The Effects of RD Nuvrasa on the Growth of Tissue after Amputation in Planarian Flatworms*



UPCOMING EVENTS/DEADLINES

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| March 15 | Deadline for submitting the following to IB: Extended Essay; TOK Prescribed Essay; Language A - English written assignments; Language B – Spanish, French, and Spanish AB Initio written assignments |
| April 1 | Deadline for Internal Assessment grades to IB Coordinator |
| April 2-11 | EASTER & SPRING BREAK |
| April 10 | Deadline for submitting all Internal Assessments and Predicted Grades to IBIS |
| April 13 | Deadline for article submissions to IB Intellect |
| April 15 | Final candidate registration deadline (late fees apply) |
| April 18 | Tentative date for IB/JAHS Art Exhibition |
| April 20 | Deadline for IB Visual Art submissions to IBIS |
| | Deadline for Internal Assessment Oral Submissions |

NEW CAS COORDINATORS START STRONG

The growth of the IB Diploma Program over the last few years has led to some new and exciting changes. The completion of Creativity, Action, Service (CAS) hours are part of the core requirement of the IB Diploma, along with the completion of an Extended Essay and enrollment in the Theory of Knowledge class.

With over 60 Junior students who are IB Diploma Candidates enrolled in the TOK class for Spring 2015 and on track to complete all the Diploma requirements, three teachers have taken on the leadership role in guiding students through the required CAS component. I am pleased to welcome Miss Emily Zablocki, Mrs. Beckie Hernandez, and Ms. Cecilia Stanton as coordinators of the CAS component.

A great meeting with all junior IB Diploma students was held on January 22, and the teachers are excited to start moving forward in helping our students complete their requirements. The new coordinators will receive IB approved and SBCSC funded training in March, and for the first time in several years, the coordination of the CAS component will be done by trained faculty members.

Similar changes in helping our Junior students with the Extended Essays are also taking place. The Extended Essays will be coordinated by Mr. Heath Weaver and Mr. Bryan Cline. We look forward to the continued growth and excellence in our IB Diploma program.



Conference of the Americas

Educating for life

Date: 23 July 2015
Location: Chicago, USA

FOR TEACHERS & STUDENTS - IB CONFERENCE OF THE AMERICAS IN CHICAGO IN JULY, 2015

Each year the International Baccalaureate hosts the IB Conference of the Americas in a selected city in the Americas. The 2015 IB Conference of the Americas will be held in Chicago, Illinois, USA, from 23-26 July. The annual conference provides an opportunity for educational leaders, decision makers and practitioners from schools, universities and governments to come together to share best practices around cultivating the way we educate students. Students are also welcome!

Attendance at this event will be a great opportunity for anyone – teachers and students - interested in learning more about the IB Program and to hear presentations that will help all attendees gain insight from colleagues from around the continent and beyond the Americas. IB Americas is **looking for students to attend (free)**, but housing may not be provided. If any student or family is willing to travel each day to Chicago to the conference, this is an option. Currently there are no further details, but I want to ensure you are informed of this option. While Dr. Mika will be in attendance for the conference, several teachers have also expressed interest in attending. You are encouraged to check out more information at <http://www.ibo.org/en/americas-conference/> or contact Dr. Mika.

NEW FEATURES ON LINKEDIN FOR IB GRADUATES

All IB graduates now can officially list their IB diploma, coursework or certificates under the “Education” section on their LinkedIn profiles. You can also search among all listed IB alumni on the new International Baccalaureate page on LinkedIn. All IB alumni are encouraged to add the International Baccalaureate to their education profile. You can add an education listing for JAHS as well. By signing up to this new LinkedIn feature, you can keep in touch with other graduates, explore IB alumni career pathways, and find influential alumni from around the globe.



Harvey Mills at IU – Bloomington

LIFE AFTER ADAMS

The *IB Intellect* welcomes updates from our IB graduates. This month we share the success of Harvey Mills (IB Diploma 2014), freshman at Indiana University – Bloomington enrolled in the premedical track majoring in Human Biology, and double minoring in Spanish and Chemistry.

I have had an easy transition between high school and college... the Biology at IU thus far, has been a complete review of the Biology courses that I took while at Adams. The IB program stresses international consciousness... and this is what helped me discover Timmy Global Health, which is an International health group known throughout the United State, whose mission is to provide free healthcare to people across the world. Within the next year I hope to travel to Central America to install an innovative water purification system to provide millions of gallons of drinkable water to people who have been dying from the polluted water they have been consuming. My advice for current students in the IB program is to pay attention and make the most out of the classes that the IB program has to offer - you will not regret it when it comes time for college.

(Source: Communication from Harvey Mills to Dr. Mika, January 26, 2015).

JOHN ADAMS NHS STUDENTS GIVE BACK TO THE COMMUNITY

December 16 was a very busy day for some of our teachers and students as well. First, a group of Spanish IV students who had made their own book along with activities visited at Harrison Primary to work with elementary students for the day. Our students – many of whom are in the IB program - made a real difference and Harrison students were very excited with the visit and learning Spanish in a different way. Later in the evening, students in the National Honor Society hosted an amazing event for the South Bend Boys & Girls Club. Our students transformed the school cafeteria and created an unforgettable holiday party for 54 visiting children. Thanks to Cecilia Stanton for organizing and helping our students in both of these events to do great things in the community!



Students read their Spanish book and play games with students at Harrison Primary Center. Photo: C. Stanton.



NHS Students and children from the Boys and Girls Club celebrate the Holidays at JAHS. Photos: C. Stanton.

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 Monday, April 13, 2015. 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@sbesc.k12.in.us.



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