



# IB INTELLECT



I am very happy to provide a brief review of the International Baccalaureate Program, and begin by thanking the many John Adams' families and students who continue to embrace the educational opportunities provided by our school and corporation. As I look back at the past five years as the program coordinator at the school, I am excited about the endless possibilities that exist. Our students are better prepared than ever to face the future as they move on from high school to college life. I thank the parents of each student for their continued encouragement of their children, and their continued support of the teachers and administrators at our school. And without a doubt, my biggest thanks go to our teachers who invest their lives in teaching and reaching out to our children.

For the past five years, the IB Program at Adams High School has shown unparalleled growth, and the numbers do not lie. From 12 IB Diploma Candidates in June 2011 to 35 this year; from a 46% Diploma graduation rate in 2011 to 74% graduation rate in 2015 (we won't know the results of this year's tests until July 5); the rise of IB Certificate recipients from 123 (2011) to 166 (2015); and the total number of test takers from 129 (2011) to 189 (2015).

This year, a total of 185 test takers registered for 494 tests. This includes the highest number of Diploma candidates ever at 35. A total of 84 Seniors will receive the IB Certificate, and when last year's 11 junior students who didn't take additional IB classes this year are added to the 2016 graduates, we have a senior class with a total of 130 students who have studied in the IB Program. Many thanks go to all the volunteer parents who helped in their important role in proctoring IB tests. Without their help, we could not continue. Thanks go to Leslie Callahan, Katherine Spiess, Shannon Brewster, Maria McKenna, Darrin Chapman, John Ott, Tatiano Botero, Carey Gaudern, Rhonda Griffin, Christyne Porile, Michelle Engel, Julie Petersen, Cathy Henry, Nancy Murton, Deb Neumann, Cathy Stoner, Joe Crimmins, Sally Carlin, Beth Couch, Mary Ann McDowell, and Bill Giesler.



A total of 79 English HL students take their IB exam in the main gymnasium



Mr. Seitz with IB Steering Committee members Dr. Jordan, Santiago David and Paige Craig.

The IB Steering Committee has continued to develop and dialogue with teachers, parents, and the SBCSC administration. The committee has worked extremely well under the solid guidance of Dr. Kelly Jordan (Dean of Students at Holy Cross College), who is stepping down from his role in order to give way to new leadership. We are grateful to Dr. Jordan and will miss him. Three new members were added to the committee last fall, along with student representation. Thanks to all the committee members for their continued support and efforts. We especially thank senior students David Santiago and Paige Craig for their service to the committee.

Next fall, a total of 251 registered incoming Freshman Magnet students will be here. A total of 45 seniors will complete their TOK course next fall, and a total of 55 rising Juniors have signed up to take the TOK course in Spring 2017. TOK is again offered in Summer Session II which will enable some senior IB students to continue their Diploma studies with more flexibility. We anticipate great results with this year's graduating class, and look forward to a very positive review from the International Baccalaureate Organization as well. Have a great summer everyone!



## CLASS OF 2016 IB DIPLOMA STUDENTS

We take this opportunity to recognize all 35 IB Diploma Candidates and share with you the schools where they will study next year. Congratulations to every student! Fly like an EAGLE!

Cleome Barber – Columbia Univ.  
Brianna Bytner – American Univ.  
Paige Craig – Lewis & Clark College  
Aliyah Darling – Chapman University  
Cindy Dang – Loyola Univ. Chicago  
Santiago David – Claremont McKenna Coll.  
Arianna Eaton – Alma College  
Emma Ehnberg – Kävesta Folkhögskola,  
Sköllersta, Sweden  
Isabella Griffin – IU Bloomington  
Caroline Hall – Carleton College  
Sydney Hargis – IU Bloomington  
Madeleine Hartzler – Macalester College  
Sarah Henderson – IU Bloomington  
Hannah Isaacson – IU Bloomington  
Joshua Isaacson – IU Bloomington  
Kylie Joines – Xavier University  
Lucas Jauregui – Penn State Univ.  
Nicholas Klebusits – U. Notre Dame  
Sarah Konkey – Univ. of Notre Dame  
Mi An Luu – Saint Mary's College  
Karina Malkovsky – Notre Dame  
Dianna Maqqe – St. Catherine Univ.  
Sydney Matthys – IU Bloomington  
John Monger – IU Bloomington  
Rachel Ott – IU Bloomington  
Alain Pierre-Jacques – Kettering Univ.  
Alicia Porile – Duke University  
Emily Price – Arcadia University  
Aidan Reilly – U.S. Naval Academy  
Nathan Ritzler – IU Bloomington  
Matthew Rush – Denison University  
Adriana Sibaja – Loyola Univ. Chicago  
Emma Spiess – Univ. of Notre Dame  
Katie Stahl – IU Bloomington  
Melinda Zumazuma – Brown Univ.

## IB SELF-STUDY SURVEY RESULTS

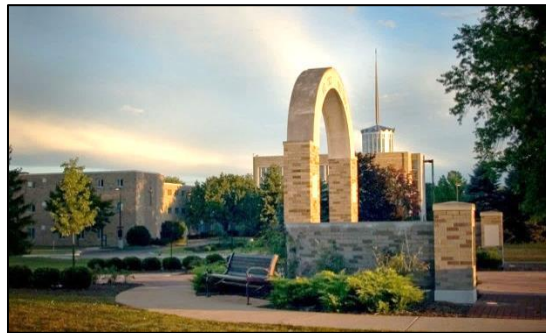
A 54-question survey was sent to over 1000 e-mail addresses for current and former families and graduate students, and we share some of the findings from the 28 page report prepared by Kristi Donaldson (ABD Sociology) at the University of Notre Dame. The survey results were included in the 2016 Self-study that was submitted to IB at the end of May. The following Overall Assessment of the Program comes from the executive summary of the report.

*“The majority of respondents agreed that JAHS provides adequate support for IB students; JAHS provides a climate and environment that supports the IB Program; the IB Program promotes the development of critical thinking skills; the IB Program provides students with opportunities to learn about issues with broader significance; as a college-preparatory program, the IB program places appropriate demands on students; and the program helps students become more competitive for admissions to selective universities or colleges.*”

*Students and parents want more, ongoing information about IB Program requirements and expectations. Some requested more IB courses, especially HL courses. Finally, many respondents requested the coordination of deadlines across IB subject areas, and this coordination to also include the additional requirements of CAS, EE, and TOK.”*

Mr. Seitz and the IB Steering Committee are very thankful to Kristi Donaldson for the effort and quality of work that was done to produce the survey results. The information, findings, and recommendations will be shared with SBCSC administration, JA faculty, and will enable the program to continue to grow and develop as we move forward. Thank you to all respondents for their honesty and to everyone who has an interest in making the IB Program excel. For a copy of the 4-page Executive Summary, please contact Dr. Mika.

## HOLY CROSS COLLEGE TO HOST IB STUDENT-LED CONFERENCE IN FALL 2016



Plans are underway for an IB-student led conference for Fall, 2016 at Holy Cross College. Two previous conferences took place at Butler University (2012) and University of Indianapolis (2013), attracting students from near and far to learn, collaborate, and share information about their IB journey. This conference is a must for junior IB students, and sets an excellent foundation for what will happen to them in completing the Diploma requirements. The event is sponsored by the Hoosier Association of IB World Schools (HIBS), and hopes to attract student attendees from all 37 IB schools in the state. HIBS has reached an agreement with Holy Cross College in hosting the event on October 21. The event will include keynote speaker(s), student presentations, along with college recruitment and admissions information. IB Diploma schools across the state will encourage student participation as part of CAS requirements, as students present conference style presentations to their peers. More details will follow and will be finalized before the next *IB Intellect* comes out. Preliminary plans include possible collaborative meetings with students who will help plan the program. Dr. Mika along with our CAS Coordinators will help students in developing ideas.







Aubren Kubicki (Gr.11) – mixed media

### JOHN ADAMS ART EXHIBIT HI-LITES IB WORKS

IB visual arts students, along with all art students at John Adams provided an art exhibition on April 13 that brought many parents, family, and guests to view the student works.



Bianca Pierre-Jacques (Gr.11) - ink on bristol board



Sam Brockman (Gr.12) photo



Mrs. Kubacki shows student work

### TWO IB STUDENTS WIN PRESTIGIOUS AWARD!

The English Department is excited to announce that two of Mr. Elrod's Junior IB students have been chosen to receive the NCTE (National Conference of Teachers of English) Writing Awards. The students are **Alice Goulding** and **Brendan Hayner-Slattery**. These students are the only two winners from the state of Indiana for 2016! We are so proud to have two winners in this prestigious contest.

### JOHN ADAMS AND IB STUDENTS DOMINATE CLASS OF 2016 DISTINGUISHED STUDENT SCHOLARS

South Bend Community School Corporation celebrated excellence in student achievement on May 19 at an event held at Clay High School. As the only celebration of its kind in the state of Indiana among school districts, this was the 28<sup>th</sup> observance honoring students in South Bend. A total of 59 students from all area high schools were honored, high-lighted by some exceptional musical performances including Clay High School exchange student Andy Chi from China who played an electric ukulele solo to thunderous applause. In recognition of students, nearly a half (29) of the award recipients were from John Adams H.S. Other schools to receive recognition included Riley H.S. (10); Clay H.S. (9); Washington H.S. (8); and Rise-up Academy (3). A total of 23 IB students were recognized by community and academic leaders. Special mention goes to **Jennifer Firehammer** for winning the Superintendent's Scholarship, and **Aidan Reilly** for winning the 2016 Mayor's Scholar Award. Congratulations to all our students! You are amazing!



Dr. David Moss poses with senior IB Certificate student Dmitri Steele, a 2016 Distinguished Student Scholar and Lugar Scholar nominee.



### LIFE AFTER ADAMS

The *IB Intellect* welcomes updates from our IB graduates. This month we share the success of Alex Sarell, 2016 graduate of Saint Mary-of-the-Woods College (IB Certificate 2012).

*After Adams I attended a small all-women's college in SW Indiana. While at "the Woods"--as it's charmingly called by the students and faculty alike—I went from inexperienced and unsure to an empowered young woman. The IB program at Adams laid the foundation for my abilities and gave me confidence to pursue other avenues at the undergraduate level. I am a current senior studying Biology, with a focus in Environmental Biology. I have learned the importance of healthy self-preservation, leadership, and empowerment as an individual and as a group. I have been guided from a scared high school student, to an eager new professional in the STEM fields. For the summer of 2014, I was invited to assist one of my professors in a variety of projects in the Peruvian Amazon Rain Forest. This opportunity launched me down a path of humanitarian and environmental justice, understanding of a balanced ecosystem, and thousands of other life lessons that would take years to describe. I am eager to graduate in May to move to my next great tasks that are before me. I hope to obtain a MS in Fisheries, Conservation, and Wildlife Biology and a MS in Dietetics.*

(Source: e-mail from Alex Sarell to Dr. Mika, Feb.1, 2016).

## TWO IB DIPLOMA STUDENTS AWARDED TOP SCIENCE RECOGNITION ENTERING DUKE UNIVERSITY AND THE UNITED STATES NAVAL ACADEMY

**Aidan Reilly's** work focused on improving the efficiency of removing ground water pollution by a unique process called bioremediation. In brief, the process involves enhancing the oxidation processes in specific bacteria, which are found naturally in the soil, to remove soil water contaminants. Given the fact there are twelve Superfund sites within a fifteen-mile radius of John Adams High School, this was an especially timely topic. Aidan focused on this area of study for more than two years and expects to continue his work at the U.S. Naval Academy. Following the excitement of this experiment, he has indicated an interest in pursuing water studies as a career. Further, being an IB Diploma student, he also completed the investigation for his Extended Essay. In addition, Aidan received a research grant from AAAS, presented his findings at the Indiana University Medical Center and was two times selected state Champion of the Stockholm Junior Water Prize. Indiana Water Environment Association organized Aidan's selection and provided the monetary funding for the trips. Aidan also conducted advanced genetics work at the University of Notre Dame.



Aidan Reilly (to US Naval Academy) and Alicia Porile (to Duke) pose with Dr. Mika

**Alicia Porile's** work focused on possible effects of altered "g" forces on the behavior and regeneration of planarian flatworms. Alicia noted that gravity is a fundamental force that has been influencing all life since the beginnings of time. Ultracentrifuges and clinostats, as well as space shuttles, are used to study increased and decreased "g" forces. Her research organism, Planarian flatworms move by using cilia and twisting their muscle layer and the behavior of the worm can be assessed using a microscopic grid. In addition, planaria have the unique ability to regenerate cells, similar to stem cells, called neoblasts that exist within the worms. The purpose of this investigation was to determine the effect that greatly increased gravity would have on the behavior and regeneration of planarian flatworms. Two experimental groups, centrifuged at 7,000 g and 14,000 g for differing periods of time, were assessed along with the control. The regeneration of the planarian worms was assessed after being transversally cut post-centrifugation. Results showed that hypergravity detrimentally affected both the behavior and the regenerative capabilities of the planarian worms. Alicia anticipates further work in the sciences at Duke University. Alicia presented her work at IU Medical Center, Intel State Engineering Fair and was inducted as a Fellow in the American Junior Academy of Science in Washington, D.C. and had a research grant from AAAS.

Additional IB students receiving recognition for their exemplary science investigative work are **Colin Lofy, Katherine Dyer, Joshua Isaacson** and **Sarah Henderson**.

### UPCOMING EVENTS & DEADLINES

June 5	John Adams' High School Graduation at Century Center
June 29	IB College Fair at Lincoln Park High School, 2001 N.Orchard Street, Chicago, Illinois, 4-6 pm.
July 1	Deadline for notifying IBO for IB grade submissions to colleges (one is sent free within USA)
July 6	IBO releases final results to IB candidates
July 14-17	IB Conference of the Americas in Toronto, Canada
Aug.15	First day of school
Oct.21	IB Student Conference, Holy Cross College

### 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, Sept.16, 2016. 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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