



The Ingenuity Project®
at
Baltimore Polytechnic Institute

Student Application
2012-2013

Note: Applications may be submitted electronically
Go to www.ingenuityproject.org



**The Ingenuity Project® at Baltimore Polytechnic Institute
STUDENT APPLICATION
2012-2013 SCHOOL YEAR**

Dear Prospective Ingenuity Student and Parents:

Thank you for your interest in the Ingenuity Project® at Baltimore Polytechnic Institute! The Ingenuity Project®, a non-profit organization, is a joint effort of the Baltimore City Public School System, the Abell Foundation and Baltimore's science and mathematics community, offering an advanced curriculum in mathematics and science.

The Ingenuity Project at Poly is a citywide public school program for academically gifted students in grades 9 to 12. The goal is to give city students the classroom advantages that wealthier county and private schools offer their populations with the expectation that Ingenuity students will take advanced placement courses in high school, attend college, and ultimately be prepared to become leaders in their chosen professions. Ingenuity high school students take advanced placement courses, work with scientist mentors to develop independent research projects, and submit their work to national competitions. Our mission is to prepare highly capable and motivated secondary students in Baltimore City to achieve at nationally competitive levels in mathematics, science, technology, and related fields.

Ingenuity high school graduates attend prestigious colleges and universities, have competed in regional and national competitions, and, since the program's inception, received over \$27,000,000 in scholarships.

This application packet will provide you with all the information you need to apply to the program including application forms, deadlines, and program requirements. Should you have any questions, please attend one of our upcoming seminars listed on our website or visit the Ingenuity Project at www.ingenuityproject.org.

The Ingenuity Project

Dolores Costello, Director

Sergei Zverev, PhD, Associate Director

Gale Fletcher, M Ed, Dean of Students

Vernise Bolden, MS, Admissions Coordinator

Mikhail Goldenberg, PhD, Mathematics Department Head

David Nelson, MS, Research Coordinator

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The Ingenuity Project, 1400 W. Cold Spring Lane, Baltimore, MD 21209
Phone: 410-662-8665, Email: information@ingenuityproject.org, Web: www.ingenuityproject.org



APPLICANT SELECTION

To apply to the Ingenuity Project you must meet the following criteria:

- Reside in Maryland (Note to County Residents: As per BCPSS policy, “Non-Baltimore City resident applicants will only be assigned to a Baltimore City school after all Baltimore City resident applicants have been assigned. A tuition fee is required if accepted.”)
- Meet Standardized Test Score Requirements (Spring of 2010-2011 school year or Fall of 2011-2012 school year):
 - Total Reading:** at least in the 80th national percentile
 - Total Mathematics:** at least in the 80th national percentile
- Minimum Report Card Average (Final for 7th grade and first quarter of 8th grade)

Mathematics	At least 80%	Science	At least 80%
English	At least 80%	General Average	At least 80%

DIRECTIONS FOR STUDENT APPLICATION

Ingenuity Application Deadline: December 14, 2011

1. Complete application information page.
2. Distribute *all* of the three Teacher Recommendation Forms:
 - One to your 8th grade science teacher
 - One to your 8th grade mathematics teacher
 - One to another teacher or a person in the community.
3. Give your guidance counselor the Counselor’s/Principal’s Recommendation Form.
4. Submit the completed application and recommendation forms to:

**The Ingenuity Project, Baltimore Polytechnic Institute – Room 337,
1400 W. Cold Spring Lane, Baltimore, MD 21209**

Citywide High School Choice Application Deadline: December 22, 2011

Important: Applicants must also complete the BCPSS High School Choice Application requesting Baltimore Polytechnic Institute as your first choice. Ask your middle school guidance counselor or call the Office of Enrollment Choice & Transfers (formerly Office of Student Placement) at 410-396-8600 to request this application. All City Schools students should submit their applications to their school. Non-City Schools or non-resident students should submit their applications to the Office of Student Placement.

Qualifying students will be invited to take the admission test in January 2012

Acceptance letters will be mailed in March 2012

PROGRAM REQUIREMENTS

The philosophy of the Ingenuity Project® is to nurture, develop and encourage the Ingenuity participant. In keeping with this philosophy, students must meet the following requirements for the duration of the program:

- Excellent attendance with no unexcused absences. This includes summer programs for Ingenuity.
- Maintain a demeanor that is respectful of fellow Ingenuity students and teachers and which honors the importance of the work. Students who do not meet attendance and behavior standards will be dismissed from the program.
- Maintain an 80 average or above in all course work. If at any time during the year an Ingenuity student is not showing consistent effort to meet the standards, the student and his/her parents will be asked to meet with the school and Ingenuity staff to assess the student’s difficulties and determine the necessary steps for improvement in academic performance. Students who are continually unable to meet the demands of the Project will not reenter the program for the subsequent year. If students withdraw or are asked to leave because they do not meet the standards, they will be assigned to regular classes.

A student who continues to meet the standards of the program is accepted for all four high school years.



WHY INGENUITY AT POLY?

- No tuition for Baltimore City residents
- Four-year program of fast-paced and intensive mathematics and science classes
- Classes with other, high ability students
- High standards for the learning environment and student performance
- Outstanding teachers providing challenging and dynamic course work
- Off-campus research opportunities often leading to local, state, and national science competitions
- Students build strong academic resumes for college applications
- Extra support from Ingenuity staff in arranging for accelerated classes, contacting scientists, providing personal budgets for science projects, offering encouragement and support while cheering for successes
- Provide a learning environment capable of responding to the heterogeneous strengths of each class and individual
- Develop relationships with mentors at universities, medical institutions and biotechnology research centers to provide students access to professional internships

PAST STUDENT ACHEIVEMENT

- Ingenuity @ Poly placed first statewide in the 2009-2010 Maryland Mathematics League and third in 2010-2011
- Ingenuity is proud to be the home of the 2005 nationwide fifth place Intel Science Talent Search winner, 2006 seventh place winner, the 2007 tenth place winner, as well as 2010 & 2011 semifinalists.
- Many Ingenuity seniors receive full college scholarships. Since its inception, the Baltimore Scholars program at JHU has offered many Ingenuity students full scholarships each year
- Ingenuity high-school graduates have attended prestigious colleges and universities including: Yale, Harvard, Cornell, Johns Hopkins, Carnegie Mellon, Duke, University of Maryland College Park, Washington University in St. Louis, Morehouse, MIT, the Naval Academy and others.



Don Borgnia and Ilenna Jones are 2011 Intel Science Talent Search semifinalists. Don is attending Harvard and Ilenna is a Quest Bridge Scholar attending Dartmouth College.

YOU ONLY HAVE ONE CHANCE TO EXPERIENCE HIGH SCHOOL: MAKE THE MOST OF IT!

APPLICANT INFORMATION



First Middle Last

Date of birth Race Student Email Gender (check) Male Female

Home Address Home phone

City State Zip

Current school name and number BCPSS Pupil ID# Current grade

Parent's/Guardian's full name Daytime phone number Email address

Parent's/Guardian's full name Daytime phone number Email address

How did you hear about Ingenuity? _____

Please list your extracurricular interests, activities, and hobbies.

List achievements/awards and give the date the award was received (e.g. Scouts, 4-H, science, mathematics, community).

Please list special programs in which you have participated, giving dates, location, and courses (e.g. Chesapeake Bay Foundation, Johns Hopkins Center for Talented Youth, MSDE Summer Programs).

Does your child have an I.E.P. or 504 plan? If so, are special testing accommodations required?

Parent/Guardian Permission: I hereby submit application for my child to be considered for the Ingenuity Project High School Program at Baltimore Polytechnic Institute, and give my permission for school officials to report my child's achievement and aptitude test scores when required. I understand that the teacher information and test results will be maintained in confidence by all members of the Screening Committee and that applications will not be returned to students.

Parent/Guardian Signature

Date



Ingenuity at Baltimore Polytechnic Institute
8th GRADE SCIENCE TEACHER RECOMMENDATION FORM
 (Confidential)

I. STUDENT: Please complete Part I before giving this form to the individual making the recommendation.

 Student's Last Name First Name MI Sex BCPSS #

Present School: _____

II. TEACHER: Please complete the recommendation form before the deadline. Return to the applicant in a sealed envelope with your signature across the sealed flap.

The mission of the Ingenuity Project® is to prepare highly capable and motivated secondary students in Baltimore City to achieve at nationally competitive levels in mathematics, science, technology, and related fields. The expectation is that Ingenuity students will graduate from high school, attend college, and seek careers in science and mathematics.

We are recruiting advanced and highly able students who thrive on intellectual challenge. Your recommendation is an important consideration in the application process.

Please Print:

Person completing form: _____

How do you know the applicant? _____

Telephone number: _____

Email (if a good way to reach you): _____

Please rate the applicant by completing the table	Outstanding	Above Average	Average	Below Average
Learns quickly with good retention				
Recognizes and understands conceptual material quickly				
Applies concepts when introduced to new materials				
Demonstrates extensive knowledge about a variety of topics				
Works well in group settings				
Demonstrates strong skills in writing				
Demonstrates initiative				
Demonstrates intellectual curiosity				
Works independently				
Meets clock and calendar deadlines				
Shows persistence and perseverance when faced with difficult tasks				

Please provide additional comments elaborating on the selections you made above:

 Signature

 Date

OFFICE USE:



Ingenuity at Baltimore Polytechnic Institute
8th GRADE MATH TEACHER RECOMMENDATION FORM
 (Confidential)

I. STUDENT: Please complete Part I before giving this form to the individual making the recommendation.

 Student's Last Name First Name MI Sex BCPSS #

Present School: _____

II. TEACHER: Please complete the recommendation form before the deadline. Return to the applicant in a sealed envelope with your signature across the sealed flap.

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Demonstrates strong skills in writing				
Demonstrates initiative				
Demonstrates intellectual curiosity				
Works independently				
Meets clock and calendar deadlines				
Shows persistence and perseverance when faced with difficult tasks				

Please provide additional comments elaborating on the selections you made above:

 Signature

 Date

OFFICE USE:



Ingenuity at Baltimore Polytechnic Institute
TEACHER/COMMUNITY MEMBER RECOMMENDATION FORM
 (Confidential)

I. STUDENT: Please complete Part I before giving this form to the individual making the recommendation.

 Student's Last Name First Name MI Sex BCPSS #

Present School: _____

II. TEACHER: Please complete the recommendation form before the deadline. Return to the applicant in a sealed envelope with your signature across the sealed flap.

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Shows persistence and perseverance when faced with difficult tasks				

Please provide additional comments elaborating on the selections you made above:

OFFICE USE:

 Signature

 Date

