“... I could not have imagined then how greatly the Ingenuity Project® would impact my life. It has opened so many doors and has given me so many opportunities. I would probably not be where I am today without the program... I graduated Magna Cum Laude, and am now attending Johns Hopkins School of Medicine.” – TRANG VU (CLASS OF 2003)

Ms. Vu is a graduate of University of Maryland College Park.
She is in her first year at The Johns Hopkins University  School of Medicine.
Dear Friends,

The Ingenuity Project® has proved to be an unqualified success. High achievement in elite national competitions, acceptance at the nation’s most competitive colleges and universities, and generous donor support are just a few indications of this. But the truest measure of the program’s success is the graduates themselves and their ability to flourish beyond the supportive environment of Ingenuity.

As a scientist, I know the long years of training that are required. It is therefore inspiring to see that the earliest Ingenuity graduates are already in advanced degree programs, only a few years from what will surely be impressive careers. It is equally satisfying to see that these young people, who benefited so greatly from mentoring as Ingenuity students, are themselves becoming leaders and mentors.

In these pages we invite you to meet just a few of these alumni. Their stories illustrate the positive force that Ingenuity has played in the lives of all our graduates. They are the final proof that Ingenuity truly has warranted the passion and resources that have nurtured and supported it from the start.

Success on this level is brought about only through the efforts of many dedicated people, in particular the officials of the Baltimore City Public School System, The Abell Foundation, and Ingenuity’s stellar, professional staff.

The Ingenuity Project is producing not only good students, but community leaders, in Baltimore and beyond. We invite you to add your support to this model of success.

Gary R. Pasternack, M.D., Ph.D.
President, Board of Directors
The Ingenuity Project® has made an indelible mark on public education in Baltimore City. Now its graduates are making their own mark. These gifted men and women are rising stars at top universities, in Maryland and across the country.

From Harvard to Stanford, Johns Hopkins to MIT, they are future leaders not only in mathematics and science, but in disciplines as far ranging as philosophy, law and the arts.

In 1992, foresighted educators under the leadership of the Abell Foundation proposed a new kind of education in Baltimore. They recognized the need for accelerated mathematics and science education in the City schools – superior training that would prepare Baltimore City students for success in elite national competitions in mathematics, science, engineering, technology and related fields. They correctly predicted that success in national competitions would translate to acceptance at top colleges and universities, and finally to professional careers in these fields.

Fifteen years later we are seeing the fruition of this vision. The initial 150 graduates have gone on to America’s top schools. The class of 2007 alone boasts acceptance to Cornell, Johns Hopkins, Duke, Carnegie Mellon, UNC Chapel Hill, University of Virginia, University of Maryland and other prestigious institutions.

The story of Ingenuity becomes more impressive as graduates go further. This fall we asked our alumni where their Ingenuity training has taken them. Their answers are inspiring. They are award winners, graduate students, and campus leaders. Here are just a few highlights.

N’Dama Bamba (Class of 2001) graduated with honors from Morgan State University and earned a Masters of Health Science in Molecular Microbiology and Immunology from The Johns Hopkins Bloomberg School of Public Health. She is currently attending The Johns Hopkins School of Medicine.
Sami Tannouri (Class of 2003) attended University of MD College Park majoring in Neurobiology and Physiology and is now pursuing a master’s degree in Physiology and Biophysics at Georgetown University and applying to medical schools.

Ela-Sita Carpenter (Class of 2001) is completing her graduate studies in Ecology at Christopher Newport University. In 2007 she presented her original research to the Virginia Academy of Science and to the American Society of Mammalogists.

David Ehrenberger (Class of 2002) graduated from UMBC where he majored in computer science. He is a software engineer with Raytheon Solipsys working on Sensor Networking and Integration. He is planning to return to the University of Maryland, Baltimore County for graduate studies.

The success of these young scholars is the result of native talent and outstanding preparation. Ingenuity students are among the best and brightest in the country. The Ingenuity Project® trains them to excel as scientists and mathematicians, as well as thinkers, leaders, and mentors.

In 2006-2007, five hundred students were enrolled in The Ingenuity Project, powerful young minds that will make important contributions in the fields they pursue, including medicine, education, engineering, environmental sciences, and law.

We invite you to visit our website – www.ingenuityproject.org for more stories.

“Ingenuity helped solidify my love of science, which is the career path I am still pursuing. The more I mentor high school students here in New York, the more I appreciate how little exposure most American high school students get to laboratory science.”

– DENNIS J. SPENCER (CLASS OF 2001)

Mr. Spencer, a graduate of Morehouse College, is an MD/PhD candidate at the Weill Medical College of Cornell University in New York City.

Robert Watkins (Class of 2001) graduated from Yale University in 2005 with a degree in Electrical Engineering. Currently a student at Columbia Law School, he plans to specialize in patent law.
According to research, as many as twenty percent of high school dropouts in this country are intellectually gifted, but lack the education and support they need to stay in school. The Ingenuity Project® recognizes talent early and provides a nurturing environment for highly gifted students, students who might otherwise not get an education equal to their ability.

Ingenuity students come from across the City, from diverse ethnic and economic backgrounds, each selected for his or her potential to excel in mathematics and science. Success in The Ingenuity Project is the ticket to a better and more secure future. Ingenuity gives its students the opportunity to maintain their grades and the self-confidence to follow their dreams.

The Learning Club

Ingenuity students come from a variety of circumstances. The program therefore goes beyond formal academic training to help “at risk” students develop life and study skills. The Learning Club is at the cornerstone of Ingenuity’s commitment to achieve and maintain student diversity. This enrichment program helps these vulnerable children succeed in the middle school program and advance to the more rigorous high school program.

PROMOTING PASSION AND INDEPENDENCE

At Ingenuity, students enjoy individual attention, skilled teachers who have a passion for their subject, and opportunities for intellectual independence. The students’ ability to perform so well is directly attributed to the quality of our twenty Ingenuity teachers. Four of them are Eastern European mathematicians. In addition, each of the Ingenuity school sites has specifically designated classrooms for Ingenuity students. They are equipped with computers, laboratory equipment and a resource science and mathematics library selected by Ingenuity teachers. Cutting edge resources and master educators give students the tools and encouragement to delve deeply into their studies.

In 2007, Emma Call became the first female and third Ingenuity student in as many years to be selected as a national winner for the Intel Science Talent Search.

Ingenuity’s commitment to achieve and maintain student diversity. This enrichment program helps these vulnerable children succeed in the middle school program and advance to the more rigorous high school program.

Student Demographics by Ethnicity

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caucasian</td>
<td>156</td>
<td>31%</td>
</tr>
<tr>
<td>African-American</td>
<td>269</td>
<td>54%</td>
</tr>
<tr>
<td>Latino</td>
<td>7</td>
<td>1%</td>
</tr>
<tr>
<td>Asian</td>
<td>27</td>
<td>6%</td>
</tr>
<tr>
<td>Unknown</td>
<td>22</td>
<td>4%</td>
</tr>
<tr>
<td>Others</td>
<td>19</td>
<td>4%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>500</td>
<td></td>
</tr>
</tbody>
</table>

Eligibility for free and reduced lunch: 30%
Middle School Program

The Ingenuity Project middle school program is offered at two sites, Roland Park and Mount Royal Middle Schools. Ingenuity’s gifted students come together to participate in an accelerated curricula in mathematics and science written for the students by Ingenuity’s own master teachers. In the sixth grade, students study Earth and Space; seventh graders study Biology, and in eighth grade, they advance to Physics and Chemistry. In mathematics, sixth-graders study Singapore Math; seventh and eighth-graders focus on completing Algebra 1, to prepare for Algebra II in high school.

High School Program

Baltimore Polytechnic Institute (Poly) hosts Ingenuity’s high school program. High school mathematics begins with Geometry in the ninth grade. Tenth grade mathematics includes Algebra 2, Trigonometry, Probability and Statistics. Students write the AP Calculus exam (AB) at the end of their junior year and go on to take the BC Advanced Placement examination as seniors. Beloved teacher and Mathematics Department Head, Dr. Mikhail Goldenberg oversees the program.

High school students study the traditional branches of science: Biology, Physics, Chemistry, and Advanced Placement electives. At the end of ninth and tenth grades, students take SAT II examinations in biology and physics. In eleventh grade, students may choose to take the AP Chemistry exam. Students may also choose to take AP and SAT II exams outside the areas of mathematics and science.

INSPIRING LOFTY GOALS

According to the U.S. Department of Education, the highest achieving students in other countries, including Japan and Singapore, significantly outscore their U.S. counterparts in mathematics. The Ingenuity Project prepares students to close the gap, giving them access to resources and mentoring usually reserved for scientists working at university and professional levels, and inspiring them to develop their potential to the fullest.
In 2007, Emma Call became the third Ingenuity student in as many years to be selected as a national winner for the Intel Science Talent Search, placing 10th in a competition considered to be the “Junior Nobel Prize.” Ingenuity students also took honors in other prestigious competitions, including the American Mathematics Competition, the University of Maryland Mathematics Competition, the Maryland Science Olympiad, and the USA Biology Olympiad.

Poly Research Practicum

The Ingenuity Project® provides students the opportunity to stretch as far as their interests and talents will take them. A key component of Ingenuity’s program at Poly is the three-year Research Practicum, an incubator for young scientists. Students work to develop their understanding of scientific methodology and examine existing research to hone their skills in scientific writing and presentations. Most importantly, students are given the chance to pursue their own interests under the mentorship of local experts in science, mathematics, and engineering. Students leave campus to go to their mentors’ labs and engage directly in cutting-edge research, profiting from the selection of world class institutions located in Baltimore.

The Research Practicum, led by David Nelson, M.S., presents a unique opportunity for students who are willing to take on the challenge. Students develop exceptional written and spoken communication skills, and gain self-confidence and poise. Students are encouraged to ask questions and develop their own ideas, not simply follow directions. They earn the respect of their lab colleagues as they assume ownership for their research. The depth of understanding achieved through their lab experiences makes them competitive for scholarships to the nation’s top colleges. It also allows them to qualify for lab positions earlier in their college studies than they would otherwise.

Research Practicum

Student Publications

2001

2002
Roya Saffary, Renu Nandakumar, Dennis Spencer, Frank T Robb, Joseph M Davila, Marvin Swartz, Leon Ofman, Roger J Thomas, Jocelyne DiRuggiero. “Microbial survival of space vacuum and extreme ultraviolet irradiation: strain isolation and analysis during a rocket flight.” Federation of European Microbiological Societies (FEMS) Microbiology Letters

2006

2007


Community Mentorships
In Ingenuity’s Research Practicum, students work with scientist mentors in the community to develop independent research projects, which are acknowledged in professional scientific papers. Mentoring institutions include The Johns Hopkins Medical Institutions, The Johns Hopkins University at Homewood, University of Maryland Center of Marine Biotechnology, and Carnegie Institution of Washington. Mentors agree to provide a work environment that fosters the growth of the student as a scientist.

Foundation Support
The story of Ingenuity begins with the Abell Foundation, which has supported and encouraged the project from its inception in 1992. Since that time, many other foundations and philanthropic corporations have recognized the impact of Ingenuity both on individual students and on a school’s academic climate.

Giving Back to the Community
Just as The Ingenuity Project relies on a larger community for support, it gives a great deal in return. Ingenuity trains students to think beyond their own personal success. These young people are already making a difference as leaders and mentors in their colleges and universities. Ingenuity has a positive impact on Baltimore’s economy, encouraging families to remain in the City and taking advantage of a first class public school education. And, The Ingenuity Project gives the Baltimore City Public School System a great deal to be proud of.

“One of the most valuable things Ingenuity has taught me was how to find great opportunities and how not to be afraid to go for them.”

— NAHATHAI (PLOY) SRIVALI (CLASS OF 2006)

Ms. Srivali is a Chemical Biological Engineering major at MIT.
The Ingenuity Project® gratefully acknowledges the following contributions received in the 2006/2007 school year

Baltimore City Public School System
The Abell Foundation

Alba Therapeutics
William G. Baker, Jr. Memorial Fund
Baltimore Community Foundation
Baltimore Office of Promotion & The Arts
The Black & Decker Corporation
Jacob & Hilda Blaustein Foundation
Eddie C. and Sylvia C. Brown Foundation
Jim and Anne Cantler Memorial Fund
Commonweal Foundation
Zanvyl & Isabelle Krieger Fund
Lockhart Vaughan Foundation
T. Rowe Price & Associates Foundation
Wright Family Foundation

Kodjo Anthony
Justina Apaw
Tom & Cindy Bands
Jane Blonder
Theresa Bruce (Class of 2005)
Mary Cieslicki & Steven Keller
Mr. & Mrs. Jonathan Clemens
Alan Cohen
Kathy & Gary Damico
Tracy W. Durkin
Melissa & Bob Ekey
Joseph & Kathryn Frey- Balter
Mr. & Mrs. Andrew Gray
Jeffrey Gray & Christina Youngston
Luane Goodson Greene
Steven Gore & Amy Davidoff
James & Deborah Harris
Robert Hayward
Samantha Hinton
Larry & Katherine Jennings
Ora & Michael Jones
Sheldon & Darcell Jones
Kathy Poole & John Easterling
Stuart Rehr & Julia Evans
Mr. & Mrs. Terrence Kenny
Orly Korat
Mr. & Mrs. Stephen Lebau
John Lee & Amanda Kell
Teresa Lee
Lisa & Stuart Levine
Edward Makowski

Nancy Forgione Memorial Fund

Tom & Cindy Bands
Sandra Banisky
Brenda Bodian
Beth Brown
Nancy & Louis Cedrone
Karol Costa
Michael & Caitlin Cross-Bernet
Amy Davis
Stephanie Desmon
William & Maria Desmond
Sharon Dickman & Michael Wentzel
Ron & Micah Dubreuil & Leslie Jacobson
John Eisenberg
William Englund
John H. Fairhall
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Kathleen Hellen & David & Zachery Paesani
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Gary Mihoces & Susan Reimer
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Bibi Obler
Michael & Elizabeth Ollove
Thomas Peddicord Jr. & Barbara Peddicord
Louis Perkins & Dru Schmidt-Perrins
James Piper III
Barbara Pula
Elaine & William Ravitch
Patricia Romero
Judy Rousuck
Laura & Bill Salganik
Cathy & Michael Schultz
Anita G. Sherman
Scott Shane & Francis Weeks
Diana Sugg & Albert Wu
Washington-Baltimore Newspaper Guild
Christian Zang

Mario Manalad
Mark Mauer
Stephen and Ann McCandless
Lee Miller and Family
Rachael & Charles Neil
Shani Lee Ortiz
Darius & Monica Rastegar
Doug Ribakow
Yolanda Robertson
Towanda Samuels
John & Lois Saylor
Mr. & Mrs. John Saylor

L.D & J.D. Saylor
Madeline A. Shea
Clay & Karina Shipps
Maya Spicinetksiy
Betty L. Starkey-EI
Jim & Theresa Veatch
Hang N. Vu
Jo Lynne Wallin Wais
Mark & Leslie Walker
Dr. Arthur & Pamela Weissman
James K. Weston
Henry Whitter
### STATEMENTS OF FINANCIAL POSITION, JUNE 30, 2007 AND 2006*

#### ASSETS

<table>
<thead>
<tr>
<th>Current Assets</th>
<th>2007</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash</td>
<td>$180,769</td>
<td>$122,013</td>
</tr>
<tr>
<td>Grants receivable</td>
<td>30,000</td>
<td>60,000</td>
</tr>
<tr>
<td>Accounts receivable</td>
<td>13,306</td>
<td>0</td>
</tr>
<tr>
<td>Net property and equipment</td>
<td>90,469</td>
<td>72,314</td>
</tr>
<tr>
<td><strong>Total Assets</strong></td>
<td><strong>$314,571</strong></td>
<td><strong>$254,327</strong></td>
</tr>
</tbody>
</table>

#### LIABILITIES

<table>
<thead>
<tr>
<th>Current Liabilities</th>
<th>2007</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deferred Revenue</td>
<td>$ 0</td>
<td>$ 0</td>
</tr>
<tr>
<td>Accounts payable and accrued expenses</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td><strong>Total Current Liabilities</strong></td>
<td><strong>$ 0</strong></td>
<td><strong>$ 0</strong></td>
</tr>
</tbody>
</table>

#### NET ASSETS

<table>
<thead>
<tr>
<th></th>
<th>2007</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unrestricted</td>
<td>$314,571</td>
<td>$254,327</td>
</tr>
<tr>
<td>Temporarily Restricted</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td><strong>Total Net Assets</strong></td>
<td><strong>$314,571</strong></td>
<td><strong>$254,327</strong></td>
</tr>
</tbody>
</table>

### STATEMENTS OF ACTIVITIES, JUNE 30, 2007 AND 2006

#### Revenues and Other Support

<table>
<thead>
<tr>
<th></th>
<th>2007</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baltimore City Public School System</td>
<td>$420,000</td>
<td>$400,000</td>
</tr>
<tr>
<td>The Abell Foundation</td>
<td>400,000</td>
<td>400,000</td>
</tr>
<tr>
<td>Foundation and Corporate Grants</td>
<td>110,400</td>
<td>133,750</td>
</tr>
<tr>
<td>Other revenue</td>
<td>40,895</td>
<td>36,801</td>
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<tr>
<td><strong>Total revenues and other support</strong></td>
<td><strong>$971,295</strong></td>
<td><strong>$970,551</strong></td>
</tr>
</tbody>
</table>

#### Expenses

<table>
<thead>
<tr>
<th></th>
<th>2007</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program services</td>
<td>735,788</td>
<td>$729,940</td>
</tr>
<tr>
<td>Management and general</td>
<td>148,936</td>
<td>155,195</td>
</tr>
<tr>
<td>Fundraising</td>
<td>26,327</td>
<td>25,331</td>
</tr>
<tr>
<td><strong>Total expenses</strong></td>
<td><strong>$911,051</strong></td>
<td><strong>$910,466</strong></td>
</tr>
</tbody>
</table>

#### Change in Net Assets

<table>
<thead>
<tr>
<th></th>
<th>2007</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>60,244</td>
<td>60,085</td>
</tr>
</tbody>
</table>

#### Net Assets at Beginning of Year

<table>
<thead>
<tr>
<th></th>
<th>2007</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Assets at Beginning of Year</td>
<td>254,327</td>
<td>194,242</td>
</tr>
</tbody>
</table>

#### Net Assets at End of Year

<table>
<thead>
<tr>
<th></th>
<th>2007</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Assets at End of Year</td>
<td><strong>$314,571</strong></td>
<td><strong>$254,327</strong></td>
</tr>
</tbody>
</table>

*Above are selected components from the 2007 audited financial report.

Total student enrollment: 500
Cost per student: $1,821
The Board of Directors

Gary Pasternack, M.D., Ph.D., President
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Dolores Morales, Administrative Assistant

Karol Costa, Founding Director


Roland Park Middle School, Class of 2007.
“I truly believe it was Ingenuity’s in-depth yet varied scholastic experience that attracted me to Brown University, where I am now enrolled.” — DAVID PAESANI (CLASS OF 2006)

Mr. Paesani is majoring in Philosophy and Modern Culture and Media at Brown University.

“To this day, my Ingenuity classes were some of the hardest that I have taken. They challenged me to look at the world differently and understand why I need to work hard to make a contribution. From Dr. Goldenberg, I learned that the power of education is seeing the beauty in knowledge.” — JAROD HIGHTOWER-MILLS (CLASS OF 2004)

Mr. Hightower-Mills is majoring in French at Claremont Mckenna College. He is interested in globalization, modernization, economic and political freedom, and development in the third world countries.