Message from the Director

As Breakthrough New Haven completed its 20th summer, we have continued to expand the scope and improve execution of our primary objectives: academic skills development and high school placement for our students and comprehensive teacher training for our high school and college age Teacher-Interns.

This fall all of our graduates entered college preparatory high schools including Cooperative Arts and Humanities High School, Hamden Hall Country Day School, Hill Regional Career High School, Hopkins School, Notre Dame High School, Sacred Heart Academy, Taft School, Vermont Academy, Xavier High School, Wilbur Cross High School and the A Better Chance Community Schools Programs at Darien, New Canaan and Simsbury High Schools. Since the fall of 2009, Breakthrough New Haven graduates have earned high school scholarships totaling more than $2.8 million.

We also continue to encourage talented high school and college students to enter careers in education. Since the summer of 2009, 77% of our Teacher-Interns who have graduated from college have pursued careers in education. This summer we initiated a teacher training partnership with St. Martin de Porres Academy, a NativityMiguel Network middle school based in New Haven that provides tuition-free, extended day education for underserved students from low-income families in the New Haven area. Six newly hired teachers from St. Martin de Porres received training as Teacher-Interns in our eight-week Summer Program prior to joining St. Martin de Porres’ faculty in September. This partnership allows us to fully leverage our teacher-training experience and resources for the benefit of even more New Haven middle school students.

Our partnership with St. Martin de Porres provides us with a greater role in improving education locally and has aligned our efforts with the Breakthrough Collaborative’s renewed strategic emphasis on encouraging the best and the brightest to become teachers and effectively contributing to systemic, positive change in urban education. Through partnerships and ever sharper focus, we look forward to continually refine our efforts and to deliver the best outcomes for our students and our Teacher-Interns.

Sincerely,

Michael Van Leesten
December 1, 2012
In recognition of their role in the establishment of Summerbridge New Haven, (now known as Breakthrough New Haven), we dedicate this 20th anniversary annual report to Michele Pierce-Burns, the founding director of Summerbridge New Haven, and to the first group of Teacher-Interns. In September 1992, Michele Pierce-Burns, then a recent graduate of Stanford University Graduate School of Education, joined the English faculty at Hopkins School and served as the founding Director of Summerbridge New Haven. The Hopkins Committee of Trustees established Summerbridge “to contribute more directly to the educational purposes of the City of New Haven”. Thirty-five sixth graders from four New Haven public schools formed the first Summerbridge class in the summer of 1993, all taught by fourteen Teacher-Interns, all Hopkins students. These young individuals started a culture of idealism and left a legacy of compassion, hard work, purposefulness and joy that remains with Breakthrough New Haven to this day.

### Alumnus in the Spotlight

On June 7, 2012, David McCord, Chair of Hopkins School’s Math Department, awarded the John Heath Mathematics Prize to Breakthrough New Haven student alumnus Shawn Charles ’12 with the following words:

“The bell rings and the class empties, all except our winner of this year’s John Heath Prize. Something has caught his fancy, and he needs to test his insights. What if… Racing through six years of mathematics during his four years here at Hopkins, he has worked hard to reach this point where he has acquired the skills to do justice to his thirst for understanding. It has been a special joy to watch this young man come alive within our mathematics program. Watch out, world: here comes Shawn Charles.”

The John Heath Mathematics Prize is awarded to that senior “who has shown exemplary commitment and progress in the study of mathematics and whose energy and achievements have served as inspiration for his, or her, classmates.”

Shawn Charles currently attends The George Washington University.
Middle schools were represented by our students.

Amistad Academy Middle School
Benjamin Jepson Magnet School
Columbus Family Academy
Conte/West Hills Magnet School
Davis Street School
East Rock Magnet School
Edgewood Magnet School
Elm City College Prep
Engineering and Science University Magnet School
Fair Haven Middle School
Highville Charter School
Hooker Middle School
JS Martinez Magnet School
L.W. Beecher Magnet School
St. Aeden/St. Brendan
St. Martin De Porres Academy
Wintergreen Interdistrict Magnet

2011-2012 Enrollment

<table>
<thead>
<tr>
<th>Total Students</th>
<th>54</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boys</td>
<td>22</td>
</tr>
<tr>
<td>Girls</td>
<td>32</td>
</tr>
<tr>
<td>7th Graders</td>
<td>24</td>
</tr>
<tr>
<td>8th Graders</td>
<td>30</td>
</tr>
<tr>
<td>8th Graders Completed</td>
<td>2-Year Program</td>
</tr>
<tr>
<td>Middle schools represented</td>
<td>17</td>
</tr>
</tbody>
</table>

Geographic Distribution

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>New Haven</td>
<td>44</td>
</tr>
<tr>
<td>West Haven</td>
<td>3</td>
</tr>
<tr>
<td>Hamden</td>
<td>7</td>
</tr>
<tr>
<td>Other</td>
<td>3</td>
</tr>
</tbody>
</table>

FALL 2011 ADMISSIONS

<table>
<thead>
<tr>
<th>Total Applications</th>
<th>62</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acceptances</td>
<td>25</td>
</tr>
<tr>
<td>Acceptance Rate</td>
<td>40%</td>
</tr>
<tr>
<td>Enrolled</td>
<td>25</td>
</tr>
</tbody>
</table>
Teacher-Interns of the Summer Program Teacher-Interns who have taught in the Summer Program since 2009 and have graduated from college pursued careers as teachers.

77% of the Summer Program Teacher-Interns who have taught in the Summer Program since 2009 and have graduated from college pursued careers as teachers.

### 2011-2012 AFTER-SCHOOL PROGRAM

- **26** Teacher-Interns taught English and/or Math during the school year
- **2:1** Student-Teacher ratio

<table>
<thead>
<tr>
<th>Leili Azarbarzin '13</th>
<th>Kirsten Jorgensen '13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chris Cahill '14</td>
<td>Emeric Kossou '14</td>
</tr>
<tr>
<td>Nikki Camera '14</td>
<td>Michael Kravitz '14</td>
</tr>
<tr>
<td>Sarah Carlow '12</td>
<td>Varsha Krish '13</td>
</tr>
<tr>
<td>Sana Charania '13</td>
<td>Simon Mathews '13</td>
</tr>
<tr>
<td>Robert Chu '13</td>
<td>Joe Rosen '13</td>
</tr>
<tr>
<td>Xena Cordero '14*</td>
<td>Nika Sheynberg '13</td>
</tr>
<tr>
<td>Fresia DeNaples '13*</td>
<td>Etana Solomon '14</td>
</tr>
<tr>
<td>Katie Farrell '12</td>
<td>Zeynep Tek '13</td>
</tr>
<tr>
<td>Paulina Haduong</td>
<td>Matt Vine 13</td>
</tr>
<tr>
<td>Lily Hoffman '13</td>
<td>Molly Wartenberg '13</td>
</tr>
<tr>
<td>Mary Imevbore '14</td>
<td>Vanessa Williams</td>
</tr>
<tr>
<td>Matt Ionnone '14</td>
<td>Susan Zea '14*</td>
</tr>
</tbody>
</table>

* Breakthrough New Haven student alumna

### 2011-2012 SUMMER PROGRAM

- **13** Teacher-Interns taught one subject twice daily for six weeks.
- **4:1** Student-Teacher ratio

<table>
<thead>
<tr>
<th>Carly Anderson</th>
<th>Notre Dame University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phoebe Bodurtha '10</td>
<td>Dartmouth College</td>
</tr>
<tr>
<td>Robert Chu '13</td>
<td>Hopkins School</td>
</tr>
<tr>
<td>Betty Gachette</td>
<td>College of The Holy Cross</td>
</tr>
<tr>
<td>Jonathan Gershberg</td>
<td>Macalaster College</td>
</tr>
<tr>
<td>Jessica Kanoff</td>
<td>Monmouth University</td>
</tr>
<tr>
<td>Nyah Macklin '12*</td>
<td>Goucher College</td>
</tr>
<tr>
<td>Amanda Marello</td>
<td>Holy Cross University</td>
</tr>
<tr>
<td>Cheril Perez</td>
<td>Fairfield University</td>
</tr>
<tr>
<td>Claire Pershan '10</td>
<td>Pomona College</td>
</tr>
<tr>
<td>Thomas Ward</td>
<td>University of Connecticut</td>
</tr>
<tr>
<td>Vanessa Williams</td>
<td>Yale University</td>
</tr>
<tr>
<td>Max Ying '13</td>
<td>Hopkins School</td>
</tr>
</tbody>
</table>

* Notre Dame University, Dartmouth College, Hopkins School, College of The Holy Cross, Macalaster College, Monmouth University, Goucher College, Holy Cross University, Fairfield University, Pomona College, University of Connecticut, Yale University, Hopkins School
2012 Summer Program

Mathematics

Mentor Teacher Adam Sperling and the Math Teacher-Interns developed Algebra, Geometry and Algebra II courses. These classes helped students master many academic skills:

- Note-taking in preparation for tests and quizzes;
- Using the vocabulary of mathematics;
- Employing a variety of problem solving strategies;
- Explain thought processes when working through a problem (meta-cognition);
- Translating “real world” situations and verbal expressions into algebraic sentences; and
- Accurately and thoroughly reviewing and correcting work.

History Research

Led by former 2008 Summer Teacher-Intern Marissa Nall, the History Teacher-Interns designed and implemented their own curricula. Using common objectives, classes used historical content to develop students’ note-taking skills, critical reading, and thesis-driven research writing.

Learning the mechanics and structure of writing an academic research paper prior to enrolling in a college preparatory high school is critically important. The course focused on the key elements of research writing: thesis statements, use of evidence, elaboration, sources of evidence, research methods, and Chicago-style citation.
2012 Summer Program

English Literature

Under the tutelage of Mentor Teacher Elizabeth Johnston, Teacher-Interns led students in reading and analyzing Shakespeare’s *Much Ado About Nothing*. Students used active reading strategies and group discussions as they learned about the use of literary conventions and devices, the functions of various features of dramatic literature (including soliloquies and dialogues), and stage direction. Students also composed, revised and edited essays while incorporating all the essential elements of a well written academic composition, including:

- Well-developed thesis statements and introductory and body paragraphs;
- Conclusions that synthesize information as well as explain and evaluate themes;
- Use of textual evidence to support opinions and judgments; and
- Proper citation using the MLA format.

Science

In collaboration with Yale University’s Department of Biochemistry and Molecular Biology, Mentor Teacher Jen Lane led her teacher-interns through the Summer Science Program. The course offered students the rare experience (for their age group) of realistic laboratory work (genetically transforming E. Coli bacteria to make them glow in the dark!) and incorporated the skills needed for high school science courses, including:

- Efficiency and time management in conducting experiments;
- Accurate and thorough data recording;
- Laboratory safety protocols and procedures;
- Observational and measurement skills; and
- Techniques in lab report writing.
High School Admissions

Since the 2008/2009 admissions season, we have provided students and families with specific information detailing the wide variety of educational opportunities available to them. We then assisted them through the admissions processes necessary for taking advantage of those opportunities. As a result, all of our graduates since 2009 have matriculated into college preparatory high schools and high school programs.

Fall 2012

$335,000
Total freshman-year scholarships awarded to Breakthrough New Haven’s most recent graduates.

57%
17 of 30 graduates will be the first in their families to graduate from college.

Fall 2009 - Fall 2012

$2,825,000
Total scholarships awarded to Breakthrough New Haven graduates since 2009.

61%
65 of 106 graduates will be the first in their families to graduate from college.

High School Matriculations
Fall 2012

3 ABC - Community Schools Programs
  1 - Darien High School (CT)
  1 - New Canaan High School (CT)
  1 - Simsbury High School (CT)
1 Amistad-Elm City High School
1 Ansonia High School
1 Berkshire School
2 Cooperative Arts and Humanities High School
1 Hamden Hall Country Day School
3 Hill Regional Career High School
5 Hopkins School
1 Metropolitan Business Academy
1 New Haven Academy
1 Notre Dame High School (West Haven)
1 Sacred Heart Academy (Hamden)
1 Taft School
1 Vermont Academy
5 Wilbur Cross High School (Honors)
2 Xavier Academy
1 Vermont Academy

High School Matriculations
Since Fall 2009

Public Schools 50%
Independent Boarding Schools 10%
Parochial Schools 16%
Independent Day Schools 16%
ABC Community Schools Programs 8%
Partners

**Hopkins School**, our host school, is the third oldest independent school in the country and has a distinguished history that spans more than 350 years. Hopkins is an independent, coeducational, college-preparatory day school for students in grades 7-12 located on a 108-acre campus in the Westville section of New Haven. [www.hopkins.edu](http://www.hopkins.edu)

**Breakthrough Collaborative** is a national non-profit that increases educational opportunities for high-potential, low-income middle school students and inspires college and high school students to pursue careers in education. Breakthrough New Haven is one of 29 Affiliates that comprise the Breakthrough Collaborative. [www.breakthroughcollaborative.org](http://www.breakthroughcollaborative.org)

**St. Martin de Porres Academy** is a faith-based, NativityMiguel Network middle school that provides tuition free, extended day education for underserved girls and boys from low-income families in the New Haven area. Breakthrough New Haven provides in-service training for St. Martin de Porres Academy’s newly hired teachers. [www.saintmartinacademy.org](http://www.saintmartinacademy.org)

### Summer Program Partners

![A Better Chance](image1.png)
![Achievement First](image2.png)
![Kids First](image3.png)
![Squash Haven](image4.png)
![Yale University](image5.png)

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**Breakthrough Collaborative Partnerships**

![Teach For America](image6.png)
![ASPIRE](image7.png)
![Match](image8.png)
![First Niagara](image9.png)
![Yale New Haven Hospital](image10.png)

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**Career Day Hosts**

![Boston Teacher Residency](image11.png)
![New Visions](image12.png)
![State of Connecticut Judicial Branch](image13.png)
Staff

Ms. Martha M. Combs
*Summer Program Assistant Director*
French Teacher—Edgewood Magnet School
B.A. College of New Rochelle;
M.S. Southern Connecticut State University

Mr. Marton Hartog PhD
*After-School Program Math Mentor Teacher*
Southern Connecticut State University
B.A Iona College
M.S. University of Wisconsin - Milwaukee
Ph.D. Ohio State University

Ms. Elizabeth Johnston
*English Mentor Teacher*
English Teacher—Wilbur Cross High School
B.A. Southern Connecticut State University
M.Ed. Quinnipiac University

Ms. Jennifer Lane
*Science Mentor Teacher*
Science Teacher—Hopkins School
B.S. University of New Haven

Ms. Marissa Nall†
*History Mentor Teacher*
Social Studies Teacher—Amity Middle School (Bethany)
B.A. University of Connecticut
M.S. Quinnipiac University

Mr. Errol Saunders†
*Assistant Director*
History Teacher—Hopkins School
B.A. Yale University

Mr. Noble Spell
*Administrative Intern*
Cooperative Arts and Humanities High School

Mr. Adam Sperling
*Summer Program Math Mentor Teacher*
Math Teacher—Hopkins School
B.A. Davidson College

Mr. Michael J. Van Leesten
*Director*
Math Teacher—Hopkins School
B.A. Dartmouth College, M.B.A. Columbia University

† Breakthrough New Haven Teacher-Intern alumnus/a

Financial Information

Hopkins School provides in-kind goods and services as well as a substantial financial contribution to cover program overhead costs. As a result, 100% of the donations from individuals and foundations provide direct funding of services for our students and Teacher-Interns.

Revenues and Expenses for the fiscal year ending June 30, 2012 were both $241,000. Major expense items included salaries and benefits, stipends for Mentor Teachers and Teacher-Interns, transportation, books, and classroom supplies.
Contributors

Financial Donations
(July 1, 2011-June 30, 2012)

Mr. Kenneth F. Ackerman
Mr. Ron Bender, Esq.
Breakthrough Collaborative
Mr. Lincoln W. Caplan '68
Mr. and Mrs. Brian S. Carlow
The Peter and Carmen Lucia Buck Foundation Inc.
Mr. and Mrs. Stephen J. Clark
The Community Foundation for Greater New Haven
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The Smart Family Foundation, Inc.
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Ms. Anne Sommer '74
Mr. Michael Stratton '83 and Ms. Shel Swanson
Mr. Michael Van Leesten and Ms. Beth Merkin
Dr. Kalman L. Watsky and Dr. Deborah Fried
Ms. Sophie Woolston '99
Mr. Chunzhong Ying and Ms. Xiaomei Pan
Barak Zelinsky Foundation, Inc.
Mr. and Mrs. Edward A. Zelinsky

Volunteers

Teaching Assistants/Tutors
Taryn Anderson1
Michael Berrios1
Marissa Young '12
Chris Boone '13

Career Day at First Niagara Bank
Mr. Paul A. McCraven '74
Ms. Joy Rogers
Ms. Iris Velasquez

Career Day at Connecticut State Superior Court
Mr. Scott Jones, Esq.
Mr. Eugene Calistro
The Hon. Roland Fasano
Ms. Astoria H. Ridley
Mr. Steven Bettencourt
Mr. Keith Kelley
Mr. Will Isenberg

Career Day at Yale-New Haven Hospital
Dr. Karyn Jubanyik, MD
Ms. Brendan Blakeslee
Dr. Faizan Arshad, MD
Mr. Douglas Barber '12
Mr. Andrew Barber '15
Dr. Mark Brady, MD

Career Day at Yale-New Haven Hospital
Dr. Jennifer Davis, MD
Ms. Chineme Enyioha
Mr. Jonathan Fu
Dr. Dirk Johnson MD
Dr. Rachel Liu, MD
Mr. Jean Lopez
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Mr. Justin Steinberg
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Dr. Sheeja Thomas, MD
Dr. Alina Tsyrulnik, MD
Mr. Brooks Udelsman '05
Dr. Federico Vaca, MD
Ms. Kamikka Whiting

Special thanks to Ms. Lynn Brantley

1. Breakthrough New Haven student alumnus/a
2. Breakthrough New Haven Teacher-Intern alumnus/a
3. Former Breakthrough New Haven Director
Our Mission

Breakthrough New Haven provides a tuition-free, two-year program of comprehensive, rigorous academic preparation and high school placement counseling to high potential middle school students from New Haven public and parochial schools.

Breakthrough New Haven is also an in-depth teacher-training workshop that produces effective and innovative teaching and encourages talented high school and college students to pursue careers in education.