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## **HARLEM CHILDREN SOCIETY**

*'The Purpose of souls is to Assist each other.'*

### **“A WEEKEND WITH STARS” TO CELEBRATE HARLEM CHILDREN SOCIETY’S FIRST HARLEM SCIENCE STREET FAIR & FESTIVAL”**

***Student Research Poster Competition; Attendance by Local Medical Centers and  
Science Associations; Presentation of Awards of recognition to Students, Mentors, High  
School Principals & Science Teachers and Community Leaders  
Event attended by Local and National Community Leaders;  
Featured presentation by International Grammy Award Winning Entertainers***

NEW YORK, NY (October 16<sup>th</sup> 2004)...The Harlem Children Society’s “THE FIRST HARLEM SCIENCE STREET FAIR & FESTIVAL” will celebrate the participation of 47 inner-city high school students participating in the organization’s *Experiment with a Dream* science Project at some of the top research laboratories throughout New York City for Year 2004 “The Science Street Fair & Festival” will take place on Saturday, October 16<sup>th</sup> 2004, at 129<sup>th</sup> Street & 7<sup>th</sup> Avenue (Adam Clayton Powell Jr. Blvd.) from 11:00 AM to 5.00PM.

The audience will mainly be comprised of 70 participating students from over 20 High Schools from under-resourced and under-represented neighborhoods. The students were guided by **47 Mentors in 16 reputed Institutions all over the Tri-state area. All of the high school students participating in the program receive a substantial stipend/ Scholarship for their summer research. This year we have expanded our Program to include some of our past students who have graduated and are still pursuing research.** This year, starting in the Fall of 2004, we have embarked on ‘After-School’ Research Internship for selected students as well.

‘Featured presentation by Grammy Award Winning Entertainers’ will provide musical entertainment. Local, and national community leaders are expected to attend the event.

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\* THIS PROGRAM IS GENEROUSLY SUPPORTED BY TWO GENEROUS GRANTS FROM – (1) AMERICAN CHEMICAL SOCIETY’S PROJECT ‘SEED’; (2) THE ‘NEW YORK COMMUNITY TRUST’ AND ‘PERSONAL AND PRIVATE CONTRIBUTION.’

The 'Harlem Children Society' was founded by Dr. Sat Bhattacharya in 2000 as a private, **Not-for-Profit Organization** [501(c) 3]. He currently serves as the President and CEO of the 'Harlem Children Society'. The Goal of the organization is to increase awareness in the Sciences and to provide an opportunity for Inner city High School Students & Youth and their families living in Under-resourced & Under-served Communities & School districts. **Our involvement with these communities is an enterprise and an experiment to help increase the entrepreneurial spirit of the communities. It is an Enterprise for generating Hope, for creating a culture, for arming a community with Knowledge to propel itself to the future.** Please visit the 'Harlem Children Society' Website – [www.HarlemChildrenSociety.org](http://www.HarlemChildrenSociety.org) for an account of our endeavors.

The *Experiment with a Dream* program, teams student interns with some of the best researchers in their fields. It is carried out at major research institutions around New York City including Memorial Sloan-Kettering Cancer Center; The Rockefeller Univ.; Columbia Univ.; Columbia University, College of Physicians & Surgeons; New York Univ.; Hunter College of the City University of New York; Steven Institute of Technology; and others. Scientists volunteer their time and expertise to mentor the students throughout the summer internship, which includes laboratory work, seminars & written reports.

The Harlem Children Society's *Experiment with a Dream* project selects young people living and attending schools in under-resourced urban communities and engages them in hands-on scientific work-study at major research institutions. "It is thrilling to give the gift of hands-on learning to young people, and to see them share in the excitement of discovery. If we are able to bring science out of the academic stratosphere and give it a context, which attracts and inspires young people, we are accomplishing a great deal. If we insure that that context is inclusive of all young people – exclusive of none – then we will have succeeded," said Harlem Children Society president and CEO, Dr. Sat Bhattacharya.

"We view our involvement with these communities as an experiment and as an enterprise – an enterprise for generating hope and for arming young people with the skills and knowledge that will propel them into the future," Bhattacharya added. "These awards come after long hours of challenging work. The determination of these young people is evident. I am very proud of my students; their families, teachers, mentors and communities should also be very proud."

This year there are 47 High school students from 17 schools (Grades 9, 10, 11, & 12) from inner-city neighborhoods participating. They would be conducting research under the mentorship of 47 renowned scientists and researchers in over 15 institutions such as - Memorial Sloan Kettering Cancer Center, Cornell University Medical Center, Columbia University, Rockefeller University, Albert Einstein School of Medicine, Beth Israel Hospital, Stevens Institute of Technology, Hunter College of CUNY, New York University, American Museum of Natural History, Fordham University, Bronx River Alliance, The Gaia Institute, and the Lehman College Natural Sciences. Some of these bright students will also be encouraged to participate in the 'After-school all-year-round Research Program where they will continue their research in the Fall of 2004. The students were selected based on their motivation, enthusiasm & performance at school, on the recommendations from their principal and science teachers, and the interview during the selection process – which earned them a spot in the summer internship.

All of the students are given a thorough background in the sciences related to the projects, including Frequent Lectures & Tutorials by several scientists and researchers. All of the students are given rigorous training relating to the Techniques, Safe and Proper handling of devices, instruments, chemicals & biologicals relating to the ongoing projects. They are given individual projects to complete by the end of the summer term. Proper guidance and background will be given to enable them to build self-confidence and presentation skills. **At the end of the summer term, the students are required to summarize their work and present their results in the laboratory and encouraged to compete with other students at several Regional and National Science conferences & Competitions.**

I am proud to say that all of the past students Successfully Participated & Competed in several Regional & National Science conferences & Competitions, presenting their work with full self confidence and Excellent Presentation, winning innumerable Regional and National Awards including the 'New York Times Scholarship'. The students presented their work at National Symposia all over the country – around the Tri-state area, including Chicago, San Diego, Colorado, etc. They developed a sense of responsibility & commitment towards completion of their work and projects. Some of my past students have since joined leading universities like Penn State, Rutgers, Swarthmore, Dartmouth, and 'Seven year- combined medical school at UMDNJ'. The students have all expressed an intense interest in the pursuit of a Career in the Sciences, Engineering & Medicine.

The Harlem Children Society is dedicated to promoting innovative science education programs to children and youth living in under-resourced and underserved communities and school districts. The organization seeks to engage learners in a healthy enquiry of the world, and to expose them to opportunities available in the field of science that might be otherwise out-of-reach. The pursuit of higher education and career achievement is emphasized by providing students with knowledge, skills, guidance, encouragement and understanding. The Harlem Children Society is a private, not-for-profit organization, recognized by the city, state and federal governments. Donations to the Harlem Children Society are tax-deductible to the extent allowed by law.

For more information on the *Experiment with a Dream* project, contact Dr. Satyajit (Sat) Bhattacharya, Harlem Children Society, 536 East 82nd Street, Suite 5F, New York, NY 10028; Telephone: (646) 643-8563; E-mail: bhattacs@mskcc.org. Additional information is available online at: [www.harlemchildrensociety.org](http://www.harlemchildrensociety.org).

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### **PARTICIPATING INSTITUTIONS**

There are **47 Mentors in 16 reputed Institutions for 47 Students** in the following institutions that we are collaborating with:

1. Memorial Sloan Kettering Cancer Center
2. Hunter College
3. Columbia University
4. Cornell University Medical Center
5. American Museum of Natural History
6. Lehman College Natural Sciences
7. The Gaia Institute
8. Bronx River Alliance
9. Beth Israel Hospital
10. New York University
11. Albert Einstein School of Medicine
12. Rockefeller University
13. Fordham University
14. Rock in the Boat
15. Stevens Institute of Technology
16. The Bronx River Alliance

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## **HARLEM CHILDREN SOCIETY'S EXPERIMENT WITH A DREAM**

<b><u>Name of Student</u></b>	<b><u>School/Center</u></b>
1. Mr. Haynes Velasco	Banana Kelly Collaborative High School, Bronx
2. Ms. Jessica Gonzalez	Banana Kelly Collaborative High School, Bronx
3. Ms. Dressy O. Villar	Banana Kelly Collaborative High School, Bronx
4. Ms. Eryka D. Hernandez	High School of Medical Science, Bronx
5. Ms. Sadiqa Cassell	High School of Medical Science, Bronx
6. Mr. Pierre T. Vieux Jr.	High School of Medical Science, Bronx
7. Ms. Geraldia Ortiz	High School of Medical Science, Bronx
8. Mr. Shawndell Powell	High School of Medical Science, Bronx
9. Ms. Areli Veliz	Gregorio Luperon High School of Science & Math, West Harlem
10. Mr. Edward Valerio	Gregorio Luperon High School of Science & Math, West Harlem
11. Ms. Nertila Ujkaj	Lincoln Academy/Hostos, Bronx
12. Mr. Dennis Samaroo	Lincoln Academy/Hostos, Bronx
13. Ms. Poon Ka lai	Manhattan/Hunter College High School of Science, West Harlem
14. Mr. Jian Wang	Manhattan/Hunter College High School of Science, West Harlem
15. Ms. Ivana Lebron	Young Women's Leadership High School, East Harlem
16. Ms. Teana White	Young Women's Leadership High School, East Harlem
17. Ms. Sade Lake	Young Women's Leadership High School, East Harlem
18. Ms. Elidaysin Morisete	Young Women's Leadership High School, East Harlem
19. Mr. Willie Collado	East Side Community High School, Lower East Side
20. Ms. Krystal Xylina Vera	East Side Community High School, Lower East Side
21. Ms. Theresa Lugo	East Side Community High School, Lower East Side
22. Mr. Louis Shackelford	Frederick Douglas Academy, West Harlem
23. Ms. Christina Romero	Frederick Douglas Academy, West Harlem
24. Mr. Corey Lyons	Frederick Douglas Academy, West Harlem
25. Ms. Folasade Akeloko	Frederick Douglas Academy, West Harlem
26. Ms. Annie Yveliz Velez	Thurgood Marshall Academy, West Harlem
27. Ms. Eunice Asare	Thurgood Marshall Academy, West Harlem
28. Ms. Yvonne Sarpong	Thurgood Marshall Academy, West Harlem & Penn State University
29. Mr. Pankaj Saha	Manhattan Center for Science and Math, East Harlem
30. Mr. Swapan Bhuiyan	Manhattan Center for Science and Math, East Harlem
31. Mr. Rami Abdelghafar	Manhattan Center for Science and Math, East Harlem
32. Mr. Alberto Del Rosario	Manhattan Center for Science and Math, East Harlem
33. Ms. Sobella Quezada	Academy of Mount Saint Ursula, Bronx
34. Ms. Rebecca Santiago	High School of Fashion Industry, Manhattan East side
35. Ms. Maria Sacta	Union Hill High School, Union City, New Jersey
36. Ms. Karen J. Salgado Dennery	Union Hill High School, Union City, New Jersey
37. Ms. Jillian Greenway	Clara Barton High School, Brooklyn
38. Ms. Jessica Geffrard	Edward R. Murrow High School, Brooklyn
39. Ms. Vanessa Hardy	Edward R. Murrow High School, Brooklyn
40. Ms. Jackeline Louis	Edward R. Murrow High School, Brooklyn
41. Mr. Tareque Barnaby	Ossining High School, Brooklyn
42. Ms. Eugenia Shmidt	High Tech High School, New Jersey & Cornell University
43. Ms. Cindi Law	High School for Health Professions & Human Services, Lower East Side
44. Ms. Suraiya Afroz	High School for Health Professions & Human Services, Lower East Side
45. Mr. Paolo Lizano	Union Hill High School, Union City, New Jersey & Rutgers University
46. Ms. Rina Shah	Union Hill High School, Union City, New Jersey & UNDMJ
47. Ms. Sheveen Green	Frederick Douglas Academy, West Harlem & Swarthmore University

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## **HARLEM CHILDREN SOCIETY: PARTNERSHIPS**

### **Sigma Xi Scientific Research Society**

Sigma Xi was founded in 1886 as an honor society for science and engineering. Today, it is an international research society whose [programs and activities](#) promote the health of the scientific enterprise and honor scientific achievement. There are more than 70,000 Sigma Xi members in over [500 chapters](#) at colleges and universities, industrial research centers and government laboratories. The Society has its headquarters in North Carolina.

In addition to honoring scientific achievement, Sigma Xi also endeavors to encourage support of original work in science and technology and promote an appreciation within society at large for the role research has played in human progress. Over the course of the Society's distinguished [history](#), nearly 200 members have won the [Nobel Prize](#) and many more have earned election to the National Academies of Sciences and Engineering.

### **The New York Academy of Sciences**

Founded in 1817, the New York Academy of Sciences is one of the most prominent and enduring organizations in the international scientific community. Its members have included such notable individuals as U.S. Presidents Jefferson and Monroe, Charles Darwin, John James Audubon and Albert Einstein. Independent and nonprofit, the Academy currently numbers over 23,000 Members in more than 150 countries. The Academy's mission is "to advance understanding of science and technology" by focusing on science across disciplines and nations, and by building bridges between society and science.

### **OTHER PARTNERSHIPS:**

**New York Roentgen Society, NYC.**

**Memorial Sloan Kettering Cancer Center, NYC**

**Asphalt Green, NYC.**

**Harlem Chamber of Commerce, NYC.**

**Rocking the Boat, NYC**

**Salem United Methodist Church, NYC**

## OVERALL STATISTICS (Years 2000 – 2004)

* <b><u>Total Percentage of Minority Students served</u></b>	:	96%
* <b><u>Total Percentage of Students based on Ethnicity</u></b>		
* African American	:	~39%
* Hispanic	:	~37%
* Asian/other minorities	:	~20%
* White	:	~4%
* <b><u>Total Percentage of New Immigrant Students</u></b>	:	~45%
* <b><u>Total Number of Students based on Sex:</u></b>		
* Percentage of Female Students	:	~65%
* Percentage of Male Students	:	~35%
* <b><u>Total Number of Participating Institutions/ High Schools</u></b>	:	25
* <b><u>Total Number of Students Selected for the Internship Program</u></b>	:	47
* <b><u>Participating Mentors and their Affiliations:</u></b>		
<b><u>Total Number of Participating Mentors</u></b>	:	47
<b><u>Total Number of Mentoring Institutions</u></b>	:	16
* <b><u>Partnerships/ Collaborations:</u></b>		
i. <u>Sigma Xi Scientific Research Society, Rockefeller Chapter, NYC.</u>		
ii. <u>New York Academy of Sciences, NYC.</u>		
iii. <u>New York Roentgen Society, NYC.</u>		
iv. <u>Memorial Sloan Kettering Cancer Center, NYC</u>		
v. <u>Asphalt Green, NYC.</u>		
vi. <u>Harlem Chamber of Commerce, NYC.</u>		
vii. <u>Rocking the Boat, NYC</u>		

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### Year 2004

* <b><u>Total Percentage of Minority Students served</u></b>	:	96%
* <b><u>Total Percentage of Students based on Ethnicity</u></b>		
* African American	:	37%
* Hispanic	:	39%
* Asian/other minorities	:	20%
* White	:	4%
* <b><u>Total Number of Students based on Sex:</u></b>		
* Percentage of Female Students	:	66%
* Percentage of Male Students	:	34%
* <b><u>Total Percentage of New Immigrant Students</u></b>	:	~45%
* <b><u>Total Number of Participating Institutions/ High Schools</u></b>	:	17

<b>* Total Number of Students Selected for the Internship Program</b>	<b>:</b>	<b>47</b>
<b>* <u>Participating Mentors and their Affiliations:</u></b>		
<b><u>Total Number of Participating Mentors</u></b>	<b>:</b>	<b>47</b>
<b><u>Total Number of Mentoring Institutions</u></b>	<b>:</b>	<b>16</b>
<b>* <u>Partnerships/ Collaborations:</u></b>		
i. <u>Sigma Xi Scientific Research Society</u> , Rockefeller Chapter, NYC.		
ii. <u>New York Academy of Sciences</u> , NYC.		
iii. <u>New York Roentgen Society</u> , NYC.		
iv. <u>Memorial Sloan Kettering Cancer Center</u> , NYC		
v. <u>Asphalt Green</u> , NYC.		
vi. <u>Harlem Chamber of Commerce</u> , NYC.		

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## Year 2003

<b>* <u>Total Percentage of Minority Students served</u></b>	<b>:</b>	<b>100%</b>
<b>* <u>Total Percentage of Students based on Ethnicity</u></b>		
<b>* African American</b>	<b>:</b>	<b>~24%</b>
<b>* Hispanic</b>	<b>:</b>	<b>~61%</b>
<b>* Asian/other minorities</b>	<b>:</b>	<b>~15%</b>
<b>* White</b>	<b>:</b>	<b>0%</b>
<b>* <u>Total Percentage of New Immigrant Students</u></b>	<b>:</b>	<b>~38%</b>
<b>* <u>Total Number of Students based on Sex:</u></b>		
<b>* Percentage of Female Students</b>	<b>:</b>	<b>~69%</b>
<b>* Percentage of Male Students</b>	<b>:</b>	<b>~31%</b>
<b>* <u>Total Number of Participating Institutions/ High Schools</u></b>	<b>:</b>	<b>8</b>
<b>* Total Number of Students Selected for the Internship Program</b>	<b>:</b>	<b>13</b>
<b>* <u>Participating Mentors and their Affiliations:</u></b>		
<b><u>Total Number of Participating Mentors</u></b>	<b>:</b>	<b>10</b>
<b><u>Total Number of Mentoring Institutions</u></b>	<b>:</b>	<b>6</b>
<b>* <u>Partnerships/ Collaborations:</u></b>		
i. <u>Sigma Xi Scientific Research Society</u> , Rockefeller University Chapter, NYC.		
ii. <u>New York Academy of Sciences</u> , NYC.		
iii. <u>Asphalt Green</u> , NYC.		

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## Year 2002

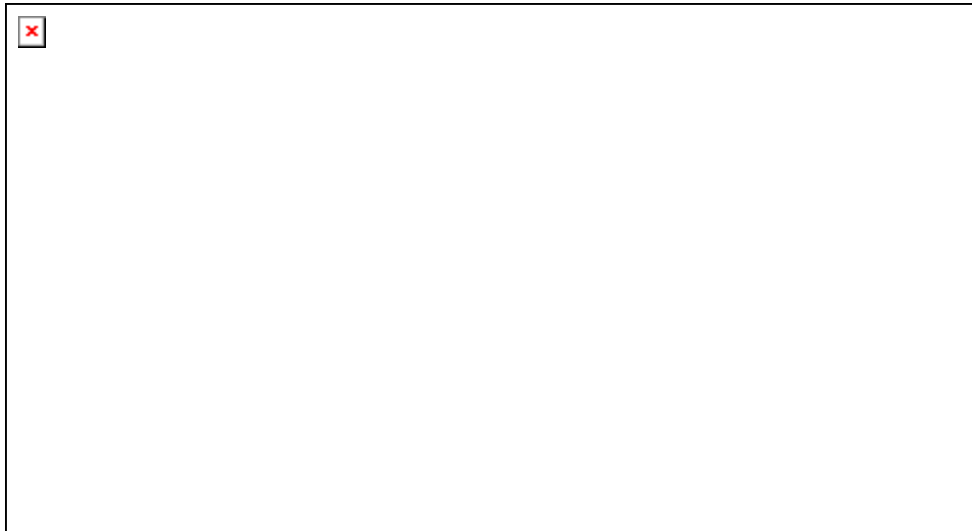
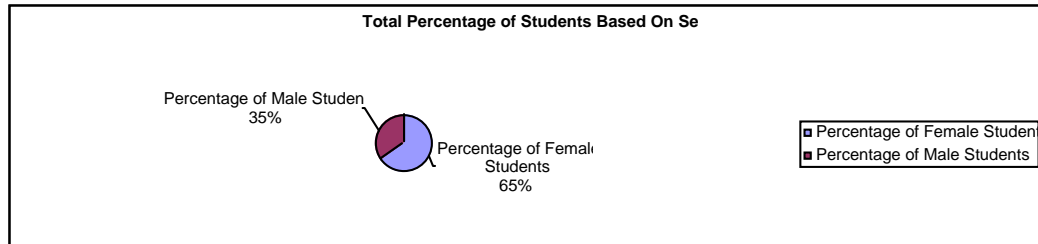
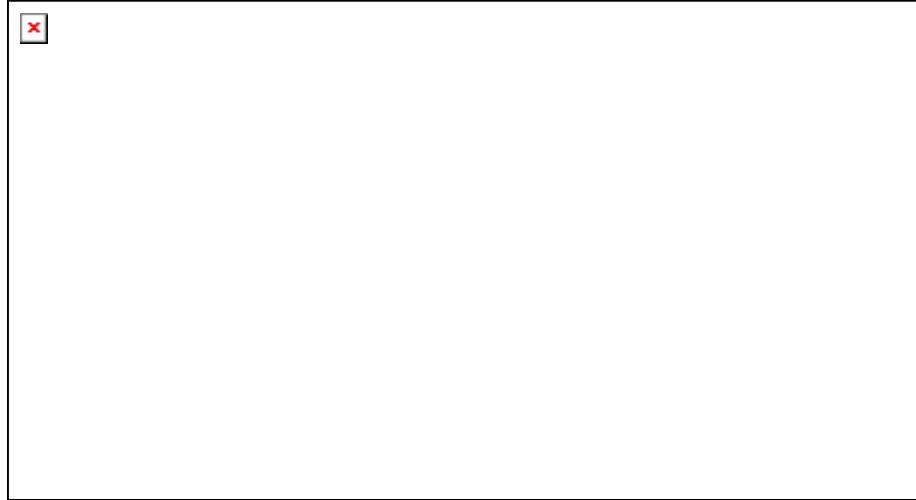
<b>* <u>Total Percentage of Minority Students served</u></b>	:	100%
<b>* <u>Total Percentage of Students based on Ethnicity</u></b>		
* African American	:	~33%
* Hispanic	:	~33%
* Asian/other minorities	:	~33%
* White	:	0%
<b>* <u>Total Percentage of New Immigrant Students</u></b>	:	~75%
<b>* <u>Total Number of Students based on Sex:</u></b>		
* Percentage of Female Students	:	~66%
* Percentage of Male Students	:	~33%
<b>* <u>Total Number of Participating Institutions/ High Schools</u></b>	:	2
<b>* Total Number of Students Selected for the Internship Program</b>	:	3
<b>* <u>Participating Mentors and their Affiliations:</u></b>		
<b><u>Total Number of Participating Mentors</u></b>	:	1
<b><u>Total Number of Mentoring Institutions</u></b>	:	1
<b>* <u>Partnerships/ Collaborations:</u></b>		
i. <u>Sigma Xi Scientific Research Society, Rockefeller University Chapter, NYC.</u>		
ii. <u>New York Academy of Sciences, NYC.</u>		
iii. <u>Asphalt Green, NYC.</u>		

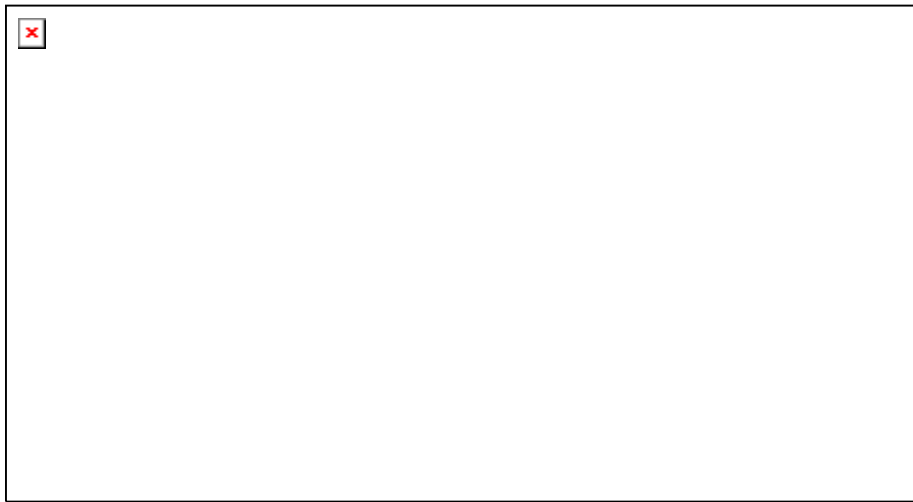
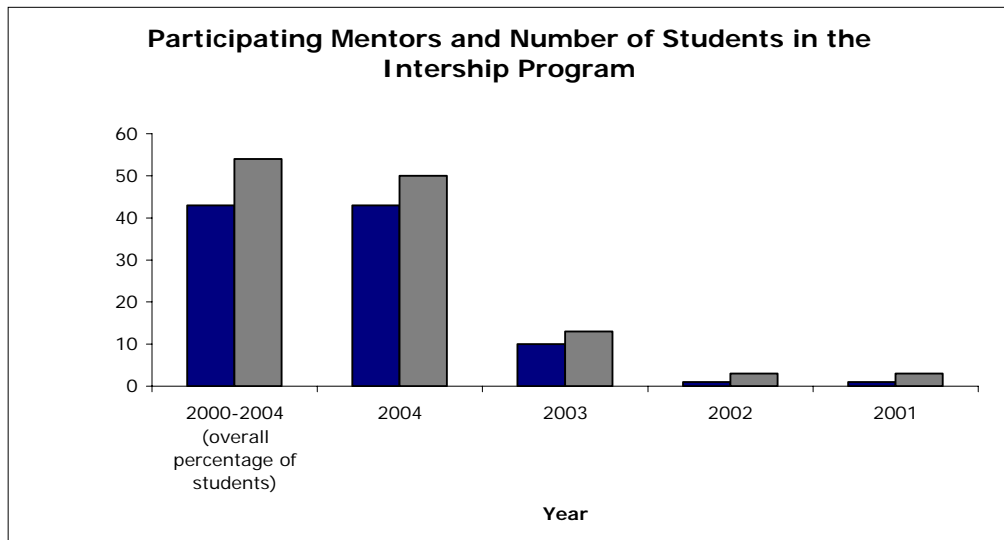
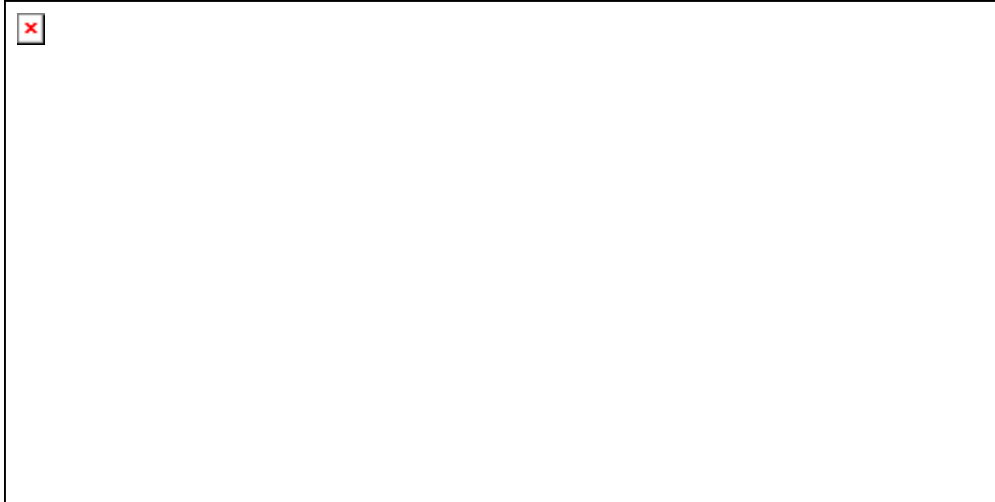
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## Year 2001

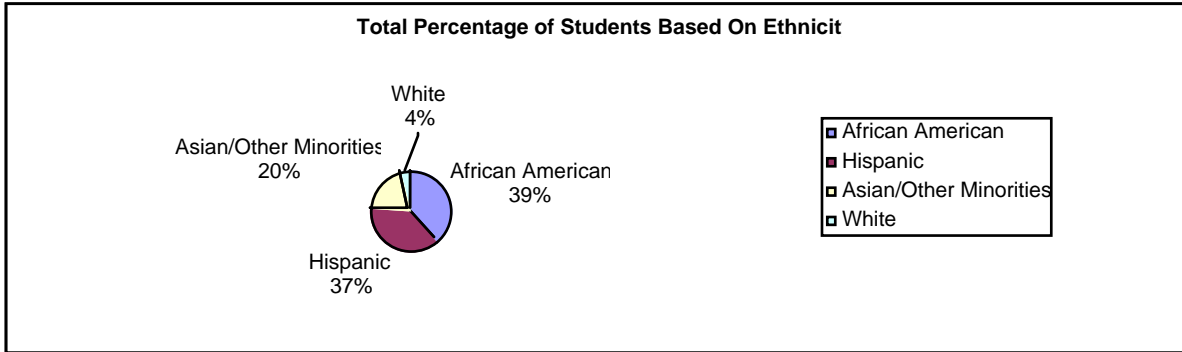
<b>* <u>Total Percentage of Minority Students served</u></b>	:	100%
<b>* <u>Total Percentage of Students based on Ethnicity</u></b>		
* African American	:	~33%
* Hispanic	:	~33%
* Asian/other minorities	:	~33%
* White	:	0%
<b>* <u>Total Percentage of New Immigrant Students</u></b>	:	~75%
<b>* <u>Total Number of Students based on Sex:</u></b>		
* Percentage of Female Students	:	~33%
* Percentage of Male Students	:	~66%
<b>* <u>Total Number of Participating Institutions/ High Schools</u></b>	:	2
<b>* Total Number of Students Selected for the Internship Program</b>	:	3
<b>* <u>Participating Mentors and their Affiliations:</u></b>		
<b><u>Total Number of Participating Mentors</u></b>	:	1
<b><u>Total Number of Mentoring Institutions</u></b>	:	1
<b>* <u>Partnerships/ Collaborations:</u></b>		
i. <u>Sigma Xi Scientific Research Society, Rockefeller University Chapter, NYC.</u>		

## OVERALL STATISTICS





<b>Overall Statistics (Years 2000 - 2004)</b>	<b>Percentage</b>
<b>Total Percentage of Minority Students Served</b>	<b>96%</b>
<b>Total Number of Participating Institutions/High Schools</b>	<b>17</b>
<b>Total Number of Students Selected for the Internship Program</b>	<b>48</b>
<b>Participating Mentors and Their Affiliations</b>	<b>45</b>
<b>Partnerships/Collaborations</b>	<b>6</b>
<b>Percentage of New Immigrant Students</b>	<b>45%</b>



<b>Total Percentage of Students Based on Ethnicity</b>	<b>Percentage</b>
<b>African American</b>	<b>39%</b>
<b>Hispanic</b>	<b>37%</b>
<b>Asian/Other Minorities</b>	<b>20%</b>
<b>White</b>	<b>4%</b>

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**\*\*\* END \*\*\***