



Baruch STEP Academy

Summer 2015 Application



baruchstep@gmail.com
www.baruch.cuny.edu/step
Baruch STEP Academy

Dear STEP Applicant/Parent,

We are delighted that you are inquiring about the Science and Technology Entry Program (STEP) Academy at Baruch College.

Please complete and return the application to the STEP program by **Friday, May 1, 2015**. Please be sure to include the student, parent, and school agreements, a letter of recommendation, a current transcript, and the personal essay. Admission is competitive and seats are limited. Participants must demonstrate academic potential, interest, and high motivation for learning and continuing education. Academic performance, teacher recommendations, and the personal essay are used to evaluate a student's potential entry into the program.

Completed applications submitted on or before the deadline will be considered on a first come, first served basis; late applications will be processed in accord to space availability.

Admission decisions will be made by June 1st and you will be notified **by email**. Parents should include their email on the application if they would also like to receive information from STEP. The following are some important dates to remember:

Application Deadline:	Friday, May 1st
New Student Orientation:	Thursday, June 25 th
Program Start:	Monday, July, 6 th
Program End:	Thursday, July 30 th

We look forward to having you in the program. For further information, please feel free to contact me at (646) 312-4298 or via email at brian.kane@baruch.cuny.edu.

Best regards,

Brian Kane

Brian Kane
Baruch STEP Director

Program Eligibility

To be an eligible applicant to STEP, you must:

- be a middle or high school student in grades 7-12
- submit a completed application
- have an 80 average in Math, Science, and English
- have an 80 cumulative average
- be a resident of New York State
- identify as African American, Latino, Native American Indians or Alaskan Natives, **OR** meet state-determined economic criteria

below:

A student is considered economically disadvantaged if:

- a student's household income needs to be less than or equal to the income levels indicated below.

New York State Opportunity Programs Income Eligibility Criteria 2014-2015

Members in household (including head of household)	Total Annual Income (2014)
1	\$21,590
2	\$29,101
3	\$36,612
4	\$44,123
5	\$51,634
6	\$59,145
7	\$66,656

(add \$7,511 for each family member in excess of 7)

- If applying under economic criteria, please provide 2014's 1040 income tax form.

Application Completion Checklist

- Completed and signed Application for Admission (including social security number, email address, ethnicity, and signature forms)
- Typed 250 word essay on why you wish to attend Baruch STEP
- Current School Transcript and/or Report Card
- Current Memorandum of Agreement on file with school
- Letter of Recommendation from math or science teacher
- Copy of citywide math & reading scores (for 9th grade applicants)
- Copy of PSAT scores (for 11th & 12th grade applicants)
- Copy of SAT and/or ACT scores (for 11th & 12th grade applicants)
- Copy of 1040 income tax form for 2014 (**only** if economic eligibility is required)

Deadlines and Important Dates

Application Deadline – May 1, 2015

New Student Orientation – Thursday, June 25th @ 4 pm

First Day of Class – July 6th, 2015 (we do not meet on Fridays)

Last Day of Class – July 30th, 2015

Submit Applications To

By Mail:

Baruch College STEP Academy
Baruch College, B5-237
One Bernard Baruch Way
New York, NY 10010-5585
Attn: Brian Kane

By Fax:

646-312-4299

By Email:

BARUCHSTEP@GMAIL.COM

APPLICATION FOR SUMMER 2015 ADMISSION

STUDENT INFORMATION

LAST NAME _____ FIRST NAME _____ M. I. _____

STREET ADDRESS _____ APT No. _____

CITY _____ STATE _____ ZIP CODE _____

HOME PHONE (____) _____ CELL PHONE (____) _____

DATE OF BIRTH ____/____/____ NEW YORK STATE RESIDENT (CIRCLE ONE) YES NO

ETHNICITY (CIRCLE ONE): BLACK LATINO NATIVE AMERICAN ASIAN WHITE

SOCIAL SECURITY NO. _____-_____-_____ GENDER (CIRCLE ONE) MALE FEMALE

NYSSIS ID #: _____

(10 DIGIT NUMBER THAT IS UNIQUE IDENTIFIER FOR ALL PUBLIC & CHARTER STUDENTS IN NY STATE. PLEASE NOTE THAT THIS NUMBER IS DIFFERENT FROM AN OSIS #. YOU CAN REQUEST YOUR NYSSIS ID # FROM YOUR GUIDANCE COUNSELOR OR SCHOOL ADMINISTRATOR)

STUDENT E-MAIL ADDRESS (PLEASE PRINT CLEARLY) _____

FACEBOOK NAME: _____ TWITTER ID: _____

HAVE YOU BEEN PART OF A STEP PROGRAM (BESIDES BARUCH) IN THE PAST? _____ IF YES,

INSTITUTION: _____ DATES OF ATTENDANCE: _____

HOW DID YOU HEAR ABOUT BARUCH COLLEGE STEP ACADEMY? _____

PARENT INFORMATION

LAST NAME _____ FIRST NAME _____ M. I. _____

SAME AS ADDRESS AS STUDENT (CIRCLE ONE) YES NO (IF NO PLEASE COMPLETE BELOW)

STREET ADDRESS _____ APT No. _____

CITY _____ STATE _____ ZIP CODE _____

HOME PHONE (____) _____ CELL PHONE (____) _____

PARENT E-MAIL ADDRESS (PLEASE PRINT CLEARLY) _____

IN CASE OF EMERGENCY, PLEASE CONTACT (OTHER THAN PARENT) _____

PHONE (____) _____ RELATIONSHIP TO STUDENT _____

SCHOOL INFORMATION (FOR FALL 2015)

SCHOOL NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP CODE _____

PHONE (____) _____ WEBSITE: _____

PRINCIPAL: _____

SCHOOL'S BEDS CODE # _____
(12 digit BEDS code provided by NYSED; if home schooled, give approving district name and BEDS code)

DOES YOUR SCHOOL ADMINISTER REGENTS EXAMINATIONS? **(CIRCLE ONE)** YES NO

GUIDANCE COUNSELOR NAME _____

CONTACT PHONE NUMBER (____) _____ CONTACT EMAIL: _____

ACADEMIC INFORMATION

GRADE IN FALL 2015 **(CIRCLE ONE)** 7TH 8TH 9TH 10TH 11TH 12TH

CLASS RANK: _____ EXPECTED DATE OF HIGH SCHOOL GRADUATION: 20__ __

DOES YOUR SCHOOL ADMINISTER REGENTS EXAMINATIONS? **(CIRCLE ONE)** YES NO

TYPE OF DIPLOMA EXPECTED **(CIRCLE ONE)**: REGENTS / ADVANCED REGENTS / OTHER _____

OVERALL GPA: _____ MATH GPA _____ SCIENCE GPA _____

FALL 2015 EXPECTED COURSE NAMES FOR MATH, SCIENCE, AND ENGLISH (EX. MATH B TERM I)

MATH: _____

SCIENCE: _____

ENGLISH: _____

PLEASE INDICATE THE TOP THREE HIGH SCHOOLS OR COLLEGES TO WHICH YOU PLAN TO APPLY

FIRST: _____

SECOND: _____

THIRD: _____

TEST GRADES

REGENTS:

INTEGRATED ALGEBRA _____ GEOMETRY _____ ALG II/TRIG _____ ENGLISH _____

LIVING ENVIRONMENT _____ CHEMISTRY _____ PHYSICS _____ EARTH SCIENCE _____

FOR 7 – 9TH GRADE APPLICANTS (IF KNOWN):

MIDDLE LEVEL ASSESSMENT PERFORMANCE ON ENGLISH (ELA) _____

MIDDLE LEVEL ASSESSMENT PERFORMANCE ON MATH _____

MIDDLE LEVEL ASSESSMENT PERFORMANCE ON SCIENCE _____

SHSAT: DATE _____ MATH _____ VERBAL _____ WRITING _____ NOT TAKEN YET _____

FOR 10 - 12TH GRADE APPLICANTS (IF KNOWN):

PSAT: DATE _____ MATH _____ VERBAL _____ WRITING _____ NOT TAKEN YET _____

SAT (1ST ATTEMPT): DATE _____ MATH _____ VERBAL _____ WRITING _____ NOT TAKEN YET _____

SAT (2ND ATTEMPT): DATE _____ MATH _____ VERBAL _____ WRITING _____ NOT TAKEN YET _____

ACT: DATE _____ MATH _____ ENG. _____ READ _____ SCIENCE _____ NOT TAKEN YET _____

MISCELLANEOUS INFORMATION

HONORS & ADVANCED PLACEMENT COURSES: (PLEASE LIST HONORS AND AP COURSES WITH NUMERICAL GRADES)

LIST SPECIALIZED PROGRAMS, EXTRACURRICULAR ACTIVITIES, COMMUNITY SERVICE/INTERNSHIPS

STUDENT AGREEMENT

I, _____ (full name), agree to participate in the Science and Technology Entry Program (STEP) at Baruch College. I understand that as a participant I will attend all scheduled events and continue to demonstrate an attitude that reflects a serious commitment to the program. Those who are tardy or absent more than two times, exhibit inappropriate behavior, and/or do not adhere to the guidelines of the program will be dismissed.

I understand that my signature on this document constitutes an agreement between me, my parent-guardian, and Baruch College STEP Academy.

Signature of Student _____ Date: _____

PARENT/GUARDIAN NOTIFICATION AND CONSENT

I am aware that my child, _____, is participating in the Science and Technology Entry Program at Baruch College, located at 55 Lexington Avenue, New York. If my child does not show up to scheduled activities, I understand that the student will be removed from the program on the third offense. This form grants permission for field trips to conferences, colleges/universities, local exhibits, etc.

I hereby give permission to release any and all grade reports, transcripts, educational records, and other pertinent information concerning my child to the Baruch College STEP Academy. I understand that the New York State Education Department requires that STEP have this information on record. I understand that all information will be kept confidential. To help increase awareness of the Baruch STEP Academy for other city students, I give permission for Baruch College and The City University of New York (CUNY) to use my child's image or photograph.

PRINTED NAME OF PARENT/GUARDIAN

DATE

SIGNATURE OF PARENT/GUARDIAN

HOME TELEPHONE

All Day Class Tracks (9:30am – 2pm):
(Please rank your top two choices below with 1 & 2)

___ **TRACK 1: SHSAT TEST PREP (MIDDLE SCHOOL PROGRAM)**

MONDAY TO WEDNESDAY THE COURSE WILL CONCENTRATE ON TEST PREPARATION FOR THE SPECIALIZED HIGH SCHOOL ADMISSIONS TEST (SHSAT). THURSDAYS WILL BE DEVOTED TO WORKSHOPS CONCERNING HIGH SCHOOL ADMISSIONS AND/OR FIELD TRIPS.

___ **TRACK 2: EARTH AND PHYSICAL SCIENCE (MIDDLE SCHOOL PROGRAM)**

THE STUDENTS WILL EXPLORE THE FASCINATING WORLD OF PHYSICAL SCIENCE, WHICH IS THE STUDY OF MATTER AND ENERGY. PHYSICAL SCIENCE IS A COMBINATION OF TWO BRANCHES OF SCIENCE---CHEMISTRY AND PHYSICS. CHEMISTRY IS THE STUDY OF THE PROPERTIES, COMPOSITION, STRUCTURE, AND INTERACTIONS OF MATTER. PHYSICS IS THE STUDY OF THE RELATIONSHIP BETWEEN MATTER AND ENERGY. OVERALL, THIS COURSE WILL FOCUS MAINLY ON SKILLS RELATED TO MAKING ACCURATE MEASUREMENTS, RESEARCHING AND COLLECTING INFORMATION, CREATING EFFECTIVE DESIGNS AND BUILDING THOSE DESIGNS. THE PROJECTS INCLUDE, BUT ARE NOT LIMITED TO, A MINIATURE PASTA MOBILE, TICKER TIMER, BIOME DISPLAY, BRIDGE LINKS, AND PORTABLE ELECTRONIC CHARGER.

___ **TRACK 3: MAKER LAB/ROBOTICS (HIGH SCHOOL PROGRAM)**

THE CLASS WILL FOCUS ON ‘MAKING’ BY LOOKING AT THINGS DIFFERENTLY AND FIGURING OUT HOW THINGS ARE MADE, HOW TO FIX THEM, OR HOW TO USE THEM IN A WHOLE NEW WAY. ALL CURIOUS INVENTORS AND PROBLEM-SOLVERS WELCOMED. STUDENTS WILL ALSO USE THE LEGO MINDSTORMS EDUCATION NXT SYSTEM. BY PROGRAMMING ROBOTS STUDENTS WILL ADDRESS KEY TECHNOLOGY, MATH, AND SCIENCE CONCEPTS.

___ **TRACK 4: ENGINEERING PRINCIPLES OF BRIDGES (HIGH SCHOOL PROGRAM)**

THIS COURSE BEGINS WITH ENGINEERING CONCEPTS AND HANDS-ON PROJECTS CONSTRUCTING BUILDINGS, RACECARS, AND CATAPULTS. THE COURSE CULMINATES WITH TRIPS TO CENTRAL PARK AND THE BROOKLYN BRIDGE TO STUDY THE ARCHITECTURE AND ENGINEERING OF THE BRIDGES AND ARCHES. MATHEMATICAL CONCEPTS WILL BE EXPLORED AND APPLIED TO BUILD SEVERAL STRUCTURES THAT WILL BE FIELD TESTED FOR STABILITY AND PRACTICALITY. THE CLASS WILL CULMINATE IN PROTOTYPE BRIDGES THAT WILL BE TESTED FOR USABILITY, STRENGTH AND AESTHETIC GRACE. THE CLASS WILL BE A SYNTHESIS OF ENGINEERING BRIDGES THAT INCORPORATES LITERATURE, ART AND NYC HISTORY.

___ **TRACK 5: BIOLOGICAL SYSTEMS (HIGH SCHOOL PROGRAM)**

THIS INTENSIVE EXPLORATORY GENERAL SCIENCE COURSE WILL EXPOSE STUDENTS TO THE FIELDS OF ANATOMY, BIOLOGY, ENVIRONMENTAL SCIENCE AND ECOLOGY AS WELL AS THE ECONOMIC AND POLITICAL INFLUENCES ON BIOLOGICAL SYSTEMS. STUDENTS WILL PERFORM LABORATORY EXPERIMENTS, ATTEND VARIOUS FIELD TRIPS THROUGHOUT THE CITY AND PARTICIPATE IN GROUP AND INDIVIDUAL PROJECT PRESENTATIONS. GUEST SPEAKERS FROM VARIOUS SCIENTIFIC FIELDS WILL PERIODICALLY SPEAK WITH THE STUDENTS ABOUT OBTAINING CAREERS IN SCIENCE.