



## **After School Program Math Teaching Fellow (Somerville)**

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### **About Us and Our Philosophy**

Breakthrough Greater Boston (BTGB) is a transformative college access and teacher training program. BTGB offers six years of academic enrichment and college preparation to middle school and high school students with high potential but limited opportunities. Simultaneously, BTGB recruits, trains, and inspires a diverse cohort of high achieving college students to become the next generation of urban teachers. Leveraging a Students Teaching Students model, BTGB provides engaging, tuition-free academic programming during the summer and after school. Our students gain the skills and motivation to succeed in rigorous high school courses and, ultimately, in college. Meanwhile, our teachers gain hands-on experience, research-based training, and coaching from professional educators.

Over the past eight years, 97% of our graduating students have matriculated to college, and 82% of them have persisted through their undergraduate years. On average, more than 70% of our graduating teachers have gone on to pursue careers in education. After two decades of success at our original Cambridge site, BTGB embarked upon a significant program expansion and opened a second site in Boston in the summer of 2013. Breakthrough launched programming in its third city, Somerville, during the summer of 2018. As an independent 501c3 nonprofit Breakthrough Greater Boston is part of a national educational movement called The Breakthrough Collaborative working to improve educational outcomes for youth across 25 U.S. cities.

With a deep commitment to our mission, BTGB operates with the highest standards of integrity, and best practices, while also enjoying the ability to be innovative and flexible to meet the evolving needs of our students, families, and teachers. Our team is diverse, high-performing, and dedicated. We continue to build an organizational culture that emphasizes our core values for every member of our community:

- **Spirit:** We cherish and embody the youthful energy and spirit of our students and teachers

- **Continual Learning:** Everyone in our community has something to learn and something to teach
- **Team Together:** We all chip in to accomplish whatever is needed for our teammates and the broader organization
- **Student Centered:** Our students are our first priority and our decisions center around what benefits our students
- **Equity and Opportunity:** We value diversity of identity, background and thought. We treat everyone with dignity and respect
- **Excellence in Everything:** We maintain high expectations for ourselves

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## **SUMMARY**

Breakthrough Greater Boston (BTGB) is seeking talented high school and college students to serve as Math Teaching Fellows this school year (Oct – May). BTGB is participating in a math tutoring pilot program during the 2021-2022 school-year as part of a grant from the Bill & Melinda Gates Foundation coordinated by the Breakthrough Collaborative. The Breakthrough Collaborative is working with two research partners, Mathematica and Search Institute, to design and evaluate the pilot program.

School Year Math Teaching Fellows will be an essential part of this program, working to plan and deliver math lessons to Breakthrough students while engaging with them outside the academic setting. The curriculum objectives of the program include an emphasis on deep, conceptual learning instead of focusing only on calculations or memorization. The goal of the supportive relationship with a tutor/teaching fellow for students is the fostering of a sense of belonging and academic confidence, especially in the field of math. School Year Math Teaching Fellows will collaborate with peers and Breakthrough staff and instructional coaches to create high-quality and fun experiences for students and stay in contact with them and their families throughout the school-year. School Year Math Teaching Fellows will also collect crucial data related to students in the pilot program to assist with the ongoing program design and evaluation.

## **RESPONSIBILITIES**

Specific responsibilities of the School Year Math Teaching Fellow include:

- Plan and deliver math lessons to small groups of 8<sup>th</sup> grade students
- Collect and share formative assessment data (exit tickets, quizzes, practice assignments) related to student learning and collaborate with peers and instructional coaches to use the data to adjust instruction
- Support and provide mentorship for students in the program, communicating regularly with them and their family and helping foster a positive sense of belonging and confidence in math
- Facilitate activities and program events for students and actively build a culture of support and excitement for learning

- Meet and communicate weekly with an instructional coach that will provide training, feedback, and guidance for lesson planning and delivery
- Participate in training opportunities provided by Breakthrough and engage with peers and staff in developing community resources and practices
- Engage in formal and informal opportunities for feedback about the tutoring pilot
- Other responsibilities depending on capacity, interest, and program adjustments

## **DATE/TIME/LOCATION**

<b>BREAKTHROUGH SOMERVILLE CAMPUS</b>
<p><b>Location:</b> Somerville High School, Somerville</p> <p><b>Position Length:</b> March 2 – May 25</p> <p><b>Program Dates:</b> Every Mon. and Wed.</p> <p><b>Program Hours:</b> MS: 3:00pm – 6:30pm</p>

## **QUALIFICATIONS**

- Current college student or HS junior/senior
- Passionate about improving the academic trajectory of urban students
- Strong work ethic
- Ability to work independently as well as collaboratively
- Have a demonstrated passion for math and education
- Strong public speaking and presentation skills
- Must be organized and able to perform tasks with a sense of urgency
- Prior experience working with urban youth/teaching a plus but not required

## **COMPENSATION & BENEFITS**

The stipend for the semester is \$1,300

Through this position, you will also acquire valuable professional experience. Among the services that we offer our teachers are in-depth training, regular observations and debriefing sessions with experienced Instructional Coaches and staff, references and recommendation letters, and a network of contacts in the education field.

## **APPLICATION PROCESS**

To apply, please email your resume and a cover letter detailing your interest in Breakthrough Greater Boston and relevant skills/experience to [jobs@btgbmail.org](mailto:jobs@btgbmail.org) with the subject line "After School MATH Program Teaching Fellow." If you have additional questions about the role, please connect with Director of Curriculum and Instruction, Aimee Heckman ([aheckman@btgbmail.org](mailto:aheckman@btgbmail.org)).

For more information, please visit [www.breakthroughgreaterboston.org](http://www.breakthroughgreaterboston.org).

Candidates for employment and employees are considered without regard to race, religion, color, sex, sexual orientation, national origin, disability, citizenship, military status, gender identity, genetic disposition or carrier status, marital status, or any other characteristic protected by federal, state, or local law.

**Thank you for your interest in Breakthrough Greater Boston!**