



Residential Mathematics Teacher

CITYterm at the Masters School seeks a full time, residential Math Teacher starting in August, 2019. This position is a ten-month, paid teaching position that includes housing. This teacher will lead three sections of high school math (could include classes in Probability & Statistics, Algebra II/Trigonometry, Pre-Calculus and/or Calculus) for 11th and 12th grade students. The team member will report to CITYterm's Director and receive coaching from CITYterm's Associate Director of Studies. Ideally this position will be filled by someone willing to make a two-year minimum commitment.

Position Description:

This role is an entry-level or early-in-career position that is perfect for individuals interested in teaching in a collaborative, innovative setting. The residential math teacher's time is divided into three parts: 60% math teacher, 10% Urban Core collaborator and 30% residential faculty.

As a math teacher, this person should be able to teach classes in Probability & Statistics, Algebra II/Trigonometry, and Pre-Calculus for 11th and 12th grade students from across the country. There will also be the opportunity to teach small sections of AB & BC Calculus. The math teacher is challenged to differentiate lesson plans and instructional approaches within each class in order to keep students on track to return to their sending schools. To support differentiation and strong teacher-student relationships, CITYterm's math classes are quite small (average class size is six or seven students).

In addition to teaching math, this teacher has the opportunity to participate in and learn from CITYterm's Urban Core curriculum. The Urban Core is CITYterm's interdisciplinary humanities curriculum that utilizes New York City as its primary text and classroom. The residential math teacher will have the opportunity to participate in Urban Core classes, contribute to curricular design and lead student expeditions to New York City.

As a member of the residential team, this person will serve as a dorm parent. Being a member of the residential team affords this team member the chance to know students in a variety of formal and informal settings.

Responsibilities:

- Teach 3 math sections of 2 - 10 students (Algebra II through BC Calculus)
- Work with and receive mentoring from CITYterm's Associate Director of Studies (an experienced math teacher)
- Collaborate with faculty team to scaffold curriculum and learning environment: including participation in weekly curriculum and community faculty meetings
- Participate in designing and co-teaching Urban Core classes and NYC expeditions (encouraged as time allows)
- Contributing to the development of a cohesive residential environment by collaborating with residential faculty
- Join weekly trips into New York City when on duty
- Advise 3-5 students (includes assessment of select student assignments and lead writing role on collaborative assessment for midterm and end of semester)
- Attend full group activities including morning meeting, work crew and culminating events such as student art exhibits, film festivals and presentations

Skills and Characteristics:

- A belief in a flexible intelligence/growth mindset
- Love of mathematics
- Flexibility in teaching to a range of mathematic ability and background
- Creativity in building math curricula to suit each entering class
- Ability to juggle residential and curricular demands



- Energy, enthusiasm and curiosity – willingness to be a fellow learner with students
- Professionalism and strong relationship building skills that transfer across students, parents, and partner schools
- Openness to collaboration and a “whatever it takes” attitude
- Sense of humor
- Highly capable in Microsoft Word (proficiency in Outlook, Excel and PowerPoint preferred, but not required)
- Valid Driver’s License (required)

Educational Background and Work Experience

- Bachelor’s degree (in mathematics or related field)
- 0 - 2 years of work experience
- Prior experience with high-school students
- Prior experience in residential learning communities as a camp counselor, residential advisor or dorm parent (strongly preferred, but not required)
- Understanding of (or willingness to learn about) constructivist learning theory, experience-based learning and/or deep learning theory

To Apply

To apply, please email your resume and a cover letter to CITYterm’s Director, Cotter Donnell, at cotter.donnell@cityterm.org.

About CITYterm at the Masters School:

CITYterm is a semester program founded in 1996 for 11th and 12th graders in high school. CITYterm students engage in an interdisciplinary and experience-based curriculum that focuses on New York City. In addition to math, language and/or science, all CITYterm students participate in the Urban Core, an honors level curriculum that focuses exclusively on New York City. CITYterm faculty members work to collaboratively design and teach the Urban Core as a three-credit, interdisciplinary course that blends history, literature and the urban environment. CITYterm is a residential program located in Dobbs Ferry, New York (just 30 minutes north of New York City). Students engage in Urban Core studies six-days a week. On Mondays, Wednesdays and Fridays students are typically in Dobbs Ferry engaged in seminar-style classes and on Tuesdays, Thursdays and Saturdays students use New York City as their classroom.

- **Experience-based:** At CITYterm we believe that the most profound learning takes place when it is rooted in experience. Students spend every other day in New York City linking their classroom work to the endless array of opportunities available.
- **Interdisciplinary:** With a shared text of New York City, CITYterm’s three-credit Urban Core curriculum is fully interdisciplinary. CITYterm’s faculty works together to teach the Urban Core as a unified whole, creating an interconnectedness between literature, history and urban environments.
- **Authentic:** Learning at CITYterm is based on authentic experience and assessment. Whether a presentation of housing plans to New York architects, or a round table discussion with an author, final assessments put students in real life settings. Students experience the authentic success of hard work coupled with a deeper understanding of the limitations of solutions to issues in the real world.
- **Student-centered:** CITYterm is student-centered, as our students are empowered to see themselves as the authors of their own learning experiences. Through regular feedback from both faculty and peers, our curriculum moves towards increased academic independence, ultimately affording students more and more opportunities to design their own learning processes and products.