The STEMteachersNYC STEM Camp 2020 offers local and international school students the opportunity to engage in authentic state-of-art STEM learning in the US, through authentic, student-guided, project-based work, supported by expert educators in the field. Camp programming was planned to take place at Columbia University (at both the Fu School of Engineering and Teachers College), as well as at nearby Trinity School. Because of the current public health crisis, the program will be delivered online. The camp leaders worked really hard to modify the program to offer students the best learning experience. Students will use materials available at home or easy to obtain to engage in STEM learning. Material list will be provided to make sure the hands-on component of STEM is not compromised.

### Camp Dates & Format

- **JULY 13 - 17, 2020 | 8:00-11:00AM EST**
- **ONLINE VIA ZOOM**

### To Apply

To apply please contact Yi Li, yi@stemteachersnyc.org and visit [www.stemteachersnyc.org/internship-camps-programs/](http://www.stemteachersnyc.org/internship-camps-programs/) for more information.
In this course, students aged ten- to twelve-years-old will learn about the structures and function of the skeletal system and use that knowledge to create a biomedical device. After being introduced to the engineering design process, students will be tasked with developing, building, and testing a device that can aid in the healing of bone fractures. Participants will be supported throughout the design process and will have the opportunity to share, discuss, and improve their creations with the support of their peers. They will also participate in the “claim, evidence, and reasoning” process to reflect on the efficacy of their devices.

**ABOUT THE INSTRUCTOR**

**Juliette Guarino Berg** has served as a science educator and curriculum writer in New York City and the surrounding metropolitan area for many years. She is currently the Class Four Science Teacher and a JV Robotics Coach at The Chapin School in Manhattan, New York. Juliette received her B.A. in Biological Sciences and Comparative Literature from Binghamton University in 2008, and her M.S. in Childhood Education from Hunter College in 2012. Additionally, she holds New York State Professional Certificates in Childhood Education and Adolescent Biology Education. Juliette currently serves as an officer on the Board of Directors for STEMteachersNYC, as well as on the Review Panel for the National Science Teaching Association’s publication Science and Children.