

Dear Math 10 students and parents,

Welcome to a new year at SchoolNova! My name is Gabriel and I will be the teacher of this Math 10 class. I am from Brazil and now I live here in Stony Brook, where I am working on my PhD research. My area of interest is theoretical condensed matter physics. This means that I try to model and calculate properties of materials, especially new phases of matter and quantum materials.

I hope you are as excited as I am. SchoolNova is a great project, a privilege I wish I had growing up. This year, specifically, we will be taking the next step in your mathematical education, as we will focus primarily on proving mathematical statements. This is a significant change in perspective and requires a greater depth of understanding, which is very rewarding.

Most of our classes will be on topics which are typically considered university-level, like linear algebra, abstract algebra and analysis. Our goal is not to cover them as one would at university, though, but only to give a small introduction and to learn how to interpret and construct proofs for these problems.

We will meet on Sundays at 11:10am in room B-102, which is a faculty office in the B-floor, to the left as you exit the elevator. Please don't hesitate to reach out to me at cardoso@schoolnova.org at any time. See you tomorrow!

Best regards,
Gabriel Cardoso
Math 7b and Math 10 teacher