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Mathematics is a logical game. It is also like a language. It has its own logical structure and convention, and it needs some getting used to. Many may find it difficult to master a new language, but once we develop some sense out of it, very soon we would be able to appreciate its intrinsic beauty and usefulness. Likewise, to learn and master mathematics, the sense or insight or feeling is more important than the sophisticated techniques. In mathematics, detailed and rigorous arguments would easily hinder the understanding of the essential idea behind the scene, and blur the flow of thinking. If a student can put aside the rigour and just go for the ideas, mathematics can be truly enjoyable, fun, and beautiful. So the core of my teaching is to nurture the sense or insight in mathematics.

I teach from the perspective of the students. I would give timely motivation on what they are going to learn and why they are learning the materials. From time to time, I would also give a bird's eye view of where the subject is within mathematics and sometimes even beyond mathematics, and illustrate to the students which directions one can go from there and how far one can go in each possible direction. I use layman terms to illustrate abstract concepts, and translate intricate ideas into simple pictures. Instead of teaching the materials, I demonstrate to the students how to think. I encourage questions but I would not give a direct answer. I would try to hint the students and lead them to finding out the solution themselves, so as to nurture their sense in mathematics. As a teacher, I strive to infect the students with my own passion towards mathematics, and to open up new dimensions of thinking of the students.

