Dear Admission Officers,

As Maggie’s math teacher for the past year and a teacher of an over 15-years’ experience, I’d like to strongly and sincerely recommend the young lady to your math program. Her motivation for learning and her remarkable performance in mathematics are particularly impressive to me.

The math course that I have been teaching Maggie is the most challenging one within the entire pre-IBDP curriculum. Some of our electives include advanced contents, such as number theory. My class is selective because prior completion of the standard 10th-grade math content is required for attending. Despite such rigorousness, Maggie has stood out, in both academic record and learning attitude. She performs stably in our frequent quizzes and tests, and for most of the time, rank top of her class. It’s worth mentioning that Maggie is the youngest student and the only 9th grader attending my class.

Maggie, in my eyes, is a highly self-motivated independent learner, with excellent learning habits acquired from her mother, a primary school math teacher. I’ve learned from the parent conferences that Maggie’s math passion was sparked through math games, such as Spider Solitaire, Sudoku, and Kloski that she played at a young age. With the solid foundation that she built under her mother’s close guidance, Maggie has exceled in and outside of school. After class, Maggie often ambushes me on my way to exit the classroom, with questions that go beyond our textbooks. Her tenacious attempts of spending over two hours to creatively solve a considerably advanced algebraic problem with a geometric method remain impressive to me. So far, her efforts have been rewarded by a long and continuously growing list of math contest honors, within which the most noticeable is her First Prize in Math League that qualified her for a highly selective math camp co-held by Princeton, Columbia and Williams.

Maggie is keen on analyzing and solving real-world problems through the application of math. She’s currently working on a math project about air pollution management with her statistics skills. In this project, she’s been recording relevant data of air pollution in Changshu over the past year. Subsequently, she’ll build mathematical models to analyze the variation of different pollutants by considering the effect of time and seasonal changes on the spread of these pollutants. Afterward, she’ll draw conclusions regarding air pollution management from this analysis. To facilitate her research, Maggie has been self-studying matrix and linear regression among other math topics, outside of class. In speaking of this, Maggie has, more than once, expressed her interest in participating in advanced math research. She’s particularly interested in the development of mathematical theorems and formulas, drawing inspiration from John Michell’s application of reductio ad absurdism to study the Pleiades. It remains vivid to me the scene that she explains the relationship between Bayes’s Theorem and philosophy. Maggie possesses strong intellectual curiosity which she has demonstrated the talent and capability to fulfill.

What I can cover in this letter reflects only a small part of this prominent student’s character and achievements. I am sure you would be even more amazed by her perspectives as you read the rest of her application. It is indeed my honor to write this recommendation letter in support of her application to your respectable program.

Warm Regard,

Kokming Lee

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