

1154-97-2074 **Po-Shen Loh*** (ploh@cmu.edu), 6113 Wean Hall, Carnegie Mellon University, Pittsburgh, PA
15213. *Developing interest and extraordinary ability in mathematics.*

Suppose that your objective is to develop strong mathematical reasoning ability among as many people as possible. What is a reasonable expectation for “strong?” What is a reasonable expectation for “many?” Is this even important? The speaker will share his experiences from working towards these questions over the past 10 years. He has approached these questions from several different angles, ranging from personally developing talent face-to-face in small groups meeting weekly, to collaborating with non-mathematical YouTube influencers, to working with the Mathematical Association of America to lead the USA Math Olympiad team as National Coach. To build perspective, he has also traveled extensively between the United States and China, giving math talks to students in over 80 schools in each country in their respective native languages, and discussing mathematics with students, parents, and teachers. (Received September 17, 2019)