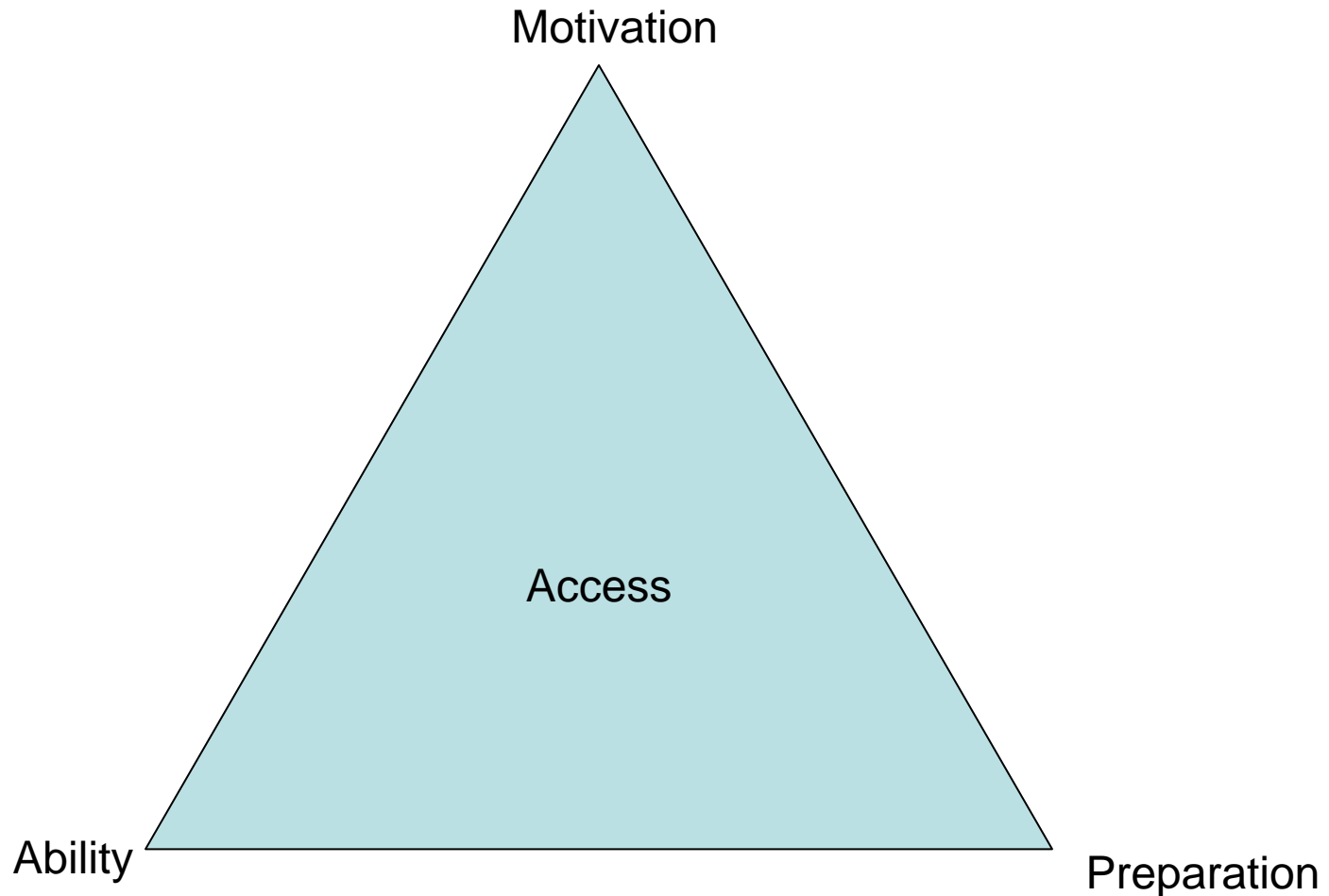


Preparation of K12 Students

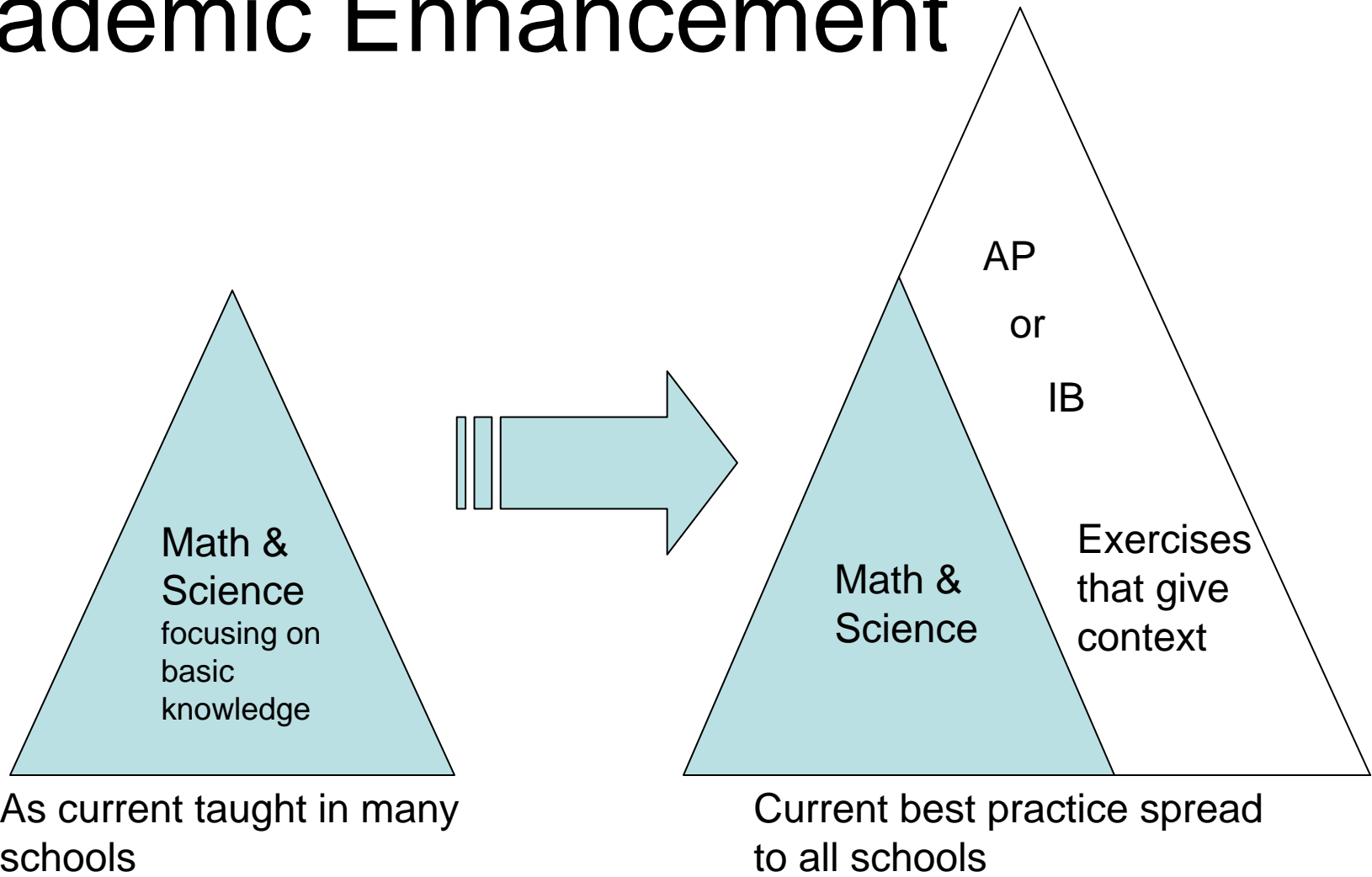


Needs and recommendations will probably be different for students aspiring to engineering degrees vs. those aspiring for associate degree

Which paradigm for change?

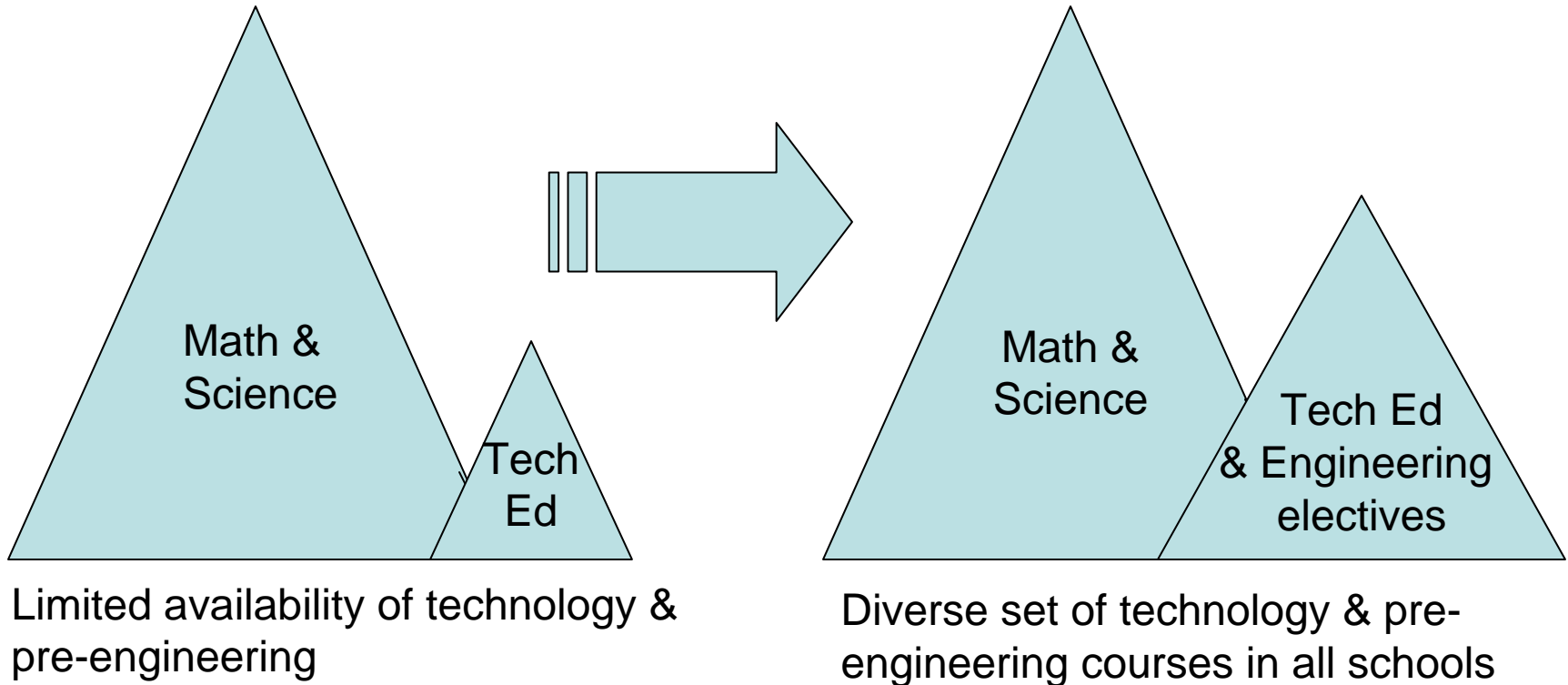
- Academic enhancement
- Technical enhancement
- Redesign

Academic Enhancement



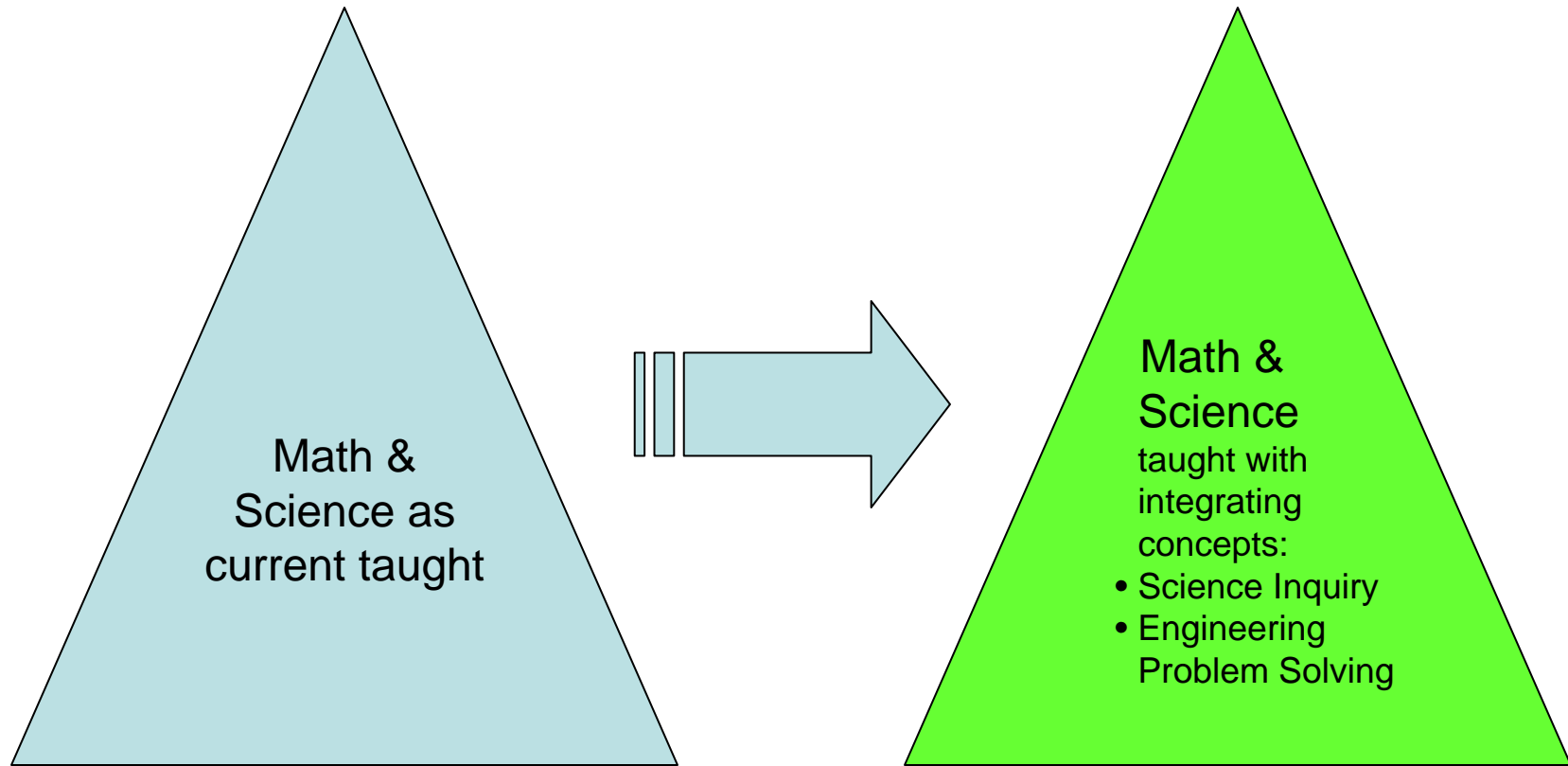
Improve the quality of science and math teaching, the availability of advanced science/math courses, and convince more students to take these advanced courses so they're ready for engineering/applied science when they get to college.

Technical Enhancement



Increase the availability and quality of engineering/technology electives at the high school level and possibly make one or more such courses required for graduation.

Redesign



Redesign science and math curricula so they include exposure to engineering and technology to give students insight into possible careers and include engineering problem solving both to increase the understanding of the science and math and to prepare them for further study in engineering should they choose to pursue it.