

1135-D5-1703 **Matthew Fischler*** (matthew.fischler@gmail.com). *Question Formulation Technique:
Fostering engagement through student-driven questioning.*

Mathematics educators wish to instill an enduring love and appreciation for the mathematics they teach. However, the combination of fragmented curricula and an over-emphasis on skills-based instruction has been stifling the curiosity required for students to make deep, long-lasting connections with mathematics.

After many years of experimenting with strategies to bolster student engagement, I have applied and developed a simple, effective method to help students have meaningful experiences with rich mathematical concepts. This strategy, known as Question Formulation Technique, or QFT, skirts much of the problem solving process and instead focuses more on problem posing.

Created by The Right Question Institute, QFT follows an intuitive process to problem creation, regardless of students' skill levels. After using QFT with several classes across different levels of mathematics, quantitative metrics have shown an improvement in students' engagement and perception of mathematics. (Received September 24, 2017)