

College Math and Science Seminar

College studies are just a few months away for our high school seniors. Those who might be choosing a STEM major, such as science or engineering, will face Physics and Calculus during their freshman year. Rigorous problem-solving is often a shock when we encounter these courses.

Dr. Bill Stewart is conducting tutorials on Tuesday and Thursday each week, beginning April 14th from 4:00 p.m. to 5:00 p.m. using Zoom online technology. He will lead the class through interesting and challenging problems from Physics and Pre-Calculus. These sessions will be interactive. All students are welcome.

Here is an example problem:

A sphere has radius R . A cube is to be placed inside the sphere and it is to have the greatest volume possible within the sphere. What percent of the volume of the sphere is taken by the volume of the cube?

No books or other resources are required for the class. A pencil, paper, and calculator might be helpful.

It will feature a seminar-type approach where we gather together to enjoy the process of understanding a problem and finding a path to a solution.

Note: Dr. Stewart is a graduate of M.I.T., Ohio University, The Ohio State University, and Muskingum University. He has been a college professor at Purdue and the University of Virginia and has taught AP Calculus and Physics at Zanesville High School. He has offered ACT Prep Classes in the area for twenty-five years.