

Class Syllabus

The Chesapeake Math Program is offering the F=ma contest, the selection contest for the USA Physics Olympiad, and also a series of prep classes for the F=ma contest. If you would like to sign up for the test or either of the courses, please fill out the following registration form and email it to asaro@pobox.com

If you would like to sign up for both the class and the test, please send a registration form for each.

F=ma selection Test.

If students wish to take the F=ma test with the Chesapeake Math Program, they are welcome to do so. It will be on January 31, 2018, Wednesday, 4:30-6:00 pm at the Gary Arthur Center, 2400 MD-97, Cooksville, MD 21723. The cost is \$10. For students who have already enrolled and paid for classes with CMP, the test is free.

Preparation classes.

The preparation classes will be held in Howard County at the residence of Kevin Huang, a former USAPhO silver medalist and now a student at Stanford. Each course level is seven weeks. The cost for one 7-week course is \$150. If a student wishes to take both Intermediate and Advanced, they may take the second course at the discounted price of \$125, for a total of \$275. You can see more details about Kevin here: <http://chesapeakemath.catherineasaro.net/biographies-catherine-asaro/>

Intermediate Level Prep Class (4pm – 5pm)

Objective: Teach students major concepts in mechanics to approach F=ma exam
Content: Working through AP Physics from chapters in Giancoli, Serway, Young
Pre-requisite: At least knowledge equivalent to Honors Physics and basic algebra

Advanced Level Prep Class (5pm – 6pm)

Objective: Prepare students to pass the F=ma exam
Content: Working through past exams, discussing tricky problems, developing problem-solving techniques
Pre-requisite: At least knowledge equivalent to AP Physics 1. Basic Calculus suggested.

Class 1: Thursday 12/14/2017
Class 2: Tuesday, 12/19/2017
Class 3: Thursday, 12/21/2017
Class 4: Thursday, 12/28/2017
Class 5: Saturday, 12/30/2017
Class 6: Tuesday, 1/2/2018
Class 7: Thursday, 1/4/2017