

# Physics Olympiad Preparation

## Chesapeake Gifted and Talented Program



### Class Information

Instructor: Kevin Huang

Director: Catherine Asaro

Time: Sunday, 2:00-3:15 pm

Email: Mr. Huang, [kshc027@outlook.com](mailto:kshc027@outlook.com); Dr. Asaro, [asaro@sff.net](mailto:asaro@sff.net)

Phone: Mr. Huang, (240) 755-9906; Dr. Asaro, (410) 715-1703

Location: Gary Arthur Community Center, 2400 MD-97, Cooksville, MD 21723

### Dates

Fall term: Every other Sunday, September 18, 2016 through December 4, 2016.

Fall break: No classes Thanksgiving week, November 21–27, 2016

CMP Party: September 25, 2016, 4-6 at the Gary Arthur Center.

Winter term: TBA. Classes will depend on the dates for the various contests.

USAPhO qualifier,  $F = ma$ : TBA (probably late January). Everyone can take this exam.

USAPhO: TBA (probably mid-March). Only qualifiers, based on the  $F = ma$  results.

Physics Bowl: TBA (probably early April). Everyone can do this contest.

### Tuition

Fall term: \$190, payable on or before the first day of class. Winter term: TBA

Tuition includes email tutoring by Dr. Asaro and Mr. Huang, if students wish additional input.

### Books

*Physics: Principles With Applications, 5th Edition*, Douglas Giancoli

[www.amazon.com/dp/0136119719/](http://www.amazon.com/dp/0136119719/)

ISBN-13: 978-0136119715

*Introduction to Classical Mechanics: With Problems and Solutions 1st Edition*, David Morin

[www.amazon.com/dp/0136119719/](http://www.amazon.com/dp/0136119719/)

ISBN-13: 978-0521876223

Giancoli is one of the best honors physics text at the high school or undergraduate level. I've recommended the 5th edition because 1) you can get it used for a low price, and 2) I have solutions to all the problems. Morin's book is an intensive look at classical mechanics at the undergraduate level, as taught at Harvard University. It offers an excellent introduction and strategies for solving problems. However, it does include calculus, which isn't expected on the  $F = ma$  exam.

