PHYSICS HONORS DESCRIPTIVE GRADING CRITERIA

"Whatever you do, do your work heartily, as for the Lord and not for people, knowing that it is from the Lord that you will receive the reward of the inheritance. It is the Lord Christ whom you serve." Colossians 3:23-24

Physics Honors is an algebra-based, entry-level physics course taught at a college-preparatory rigor. It covers kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; electricity and magnetism; sound, light, waves, and optics; and modern physics. The purpose of this course is to help students develop a deep understanding of the foundational principles that shape classical mechanics. By confronting complex physical situations or scenarios, the course is designed to enable students to develop the ability to reason about physical phenomena using important science practices, such as creating and analyzing representations of physics scenarios, designing experiments, analyzing data, and using mathematics to model and to solve problems.

Each week of Physics Honors, the student will be engaging in active learning models as opposed to being passive listeners to lectures. Therefore, the classroom is meant to be a place of continued active learning, identification of misrepresentations and misunderstandings, guided and individual practice on physical problems, and sharpening of the mastery of communication and understanding of physical concepts.

Each week of Physics Honors, the student will perform two *individual* assessments – multiple choice and free response. Multiple Choice questions can be submitted through www.mrayton.com (two submissions of multiple-choice assessments is allowed), whereas the Free Response problems will be turned in showing all appropriate work, justifications, calculations, and explanations. The physics text – Honors Physics Essentials – can be utilized by the student as additional assistance to understanding and learning. The individual weekly assessments will be graded as follows:

A = Outstanding	100% = 10/10	
A = Outstanding	**95% = 9/10**	**90% = 8/10**
B = Good	**85% = 7/10**	**80% = 6/10**
C = Satisfactory	**75% = 5/10**	**70% = 4/10**
D = Unsatisfactory	**65% = 3/10**	**60% = 2/10**
F = Failing	**55% = 1/10**	**50% = 0/10**