AP/IB Physics Options – Myers Park High School

	AP Physics 1	AP Physics 2	AP Physics C: E & M	IB Physics HL I
Who should take this class?	Students who have not taken the Honors/IBMYP physics class **or** Students who took the Honors/IBMYP physics class, but earned below an A or high B in the class.	Students who have taken either Honors/IBMYP Physics and earned an A or high B in the class **or** AP Physics 1 and earned an A or B in the class.	Students who have taken either Honors/IB MYP Physics or AP Physics 1 and earned an A or high B in the class, especially those who may want to study physics or engineering in college.	Rising juniors in the IB Diploma Program who have taken either Honor/IBMYP Physics or AP Physics 1 and earned an A or high B in the class.
Math Base	Algebra-based	Algebra-based	Calculus-based	Algebra-based
Topics of Study	Kinematics, Dynamics, Energy, Momentum, Circular Motion, Simple Harmonic Motion, Rotational Motion, Fluids	Thermal Physics, Electrostatics, Circuits, Magnetism, EM Induction, Waves, Optics, Quantum & Atomic Physics, Nuclear & Particle Physics	Electrostatics, Capacitors, Conductors, Electric Circuits, Magnetism, Electromagnetic Induction	Kinematics, Dynamics, Energy, Momentum, Rotation, Thermal Physics, Greenhouse Effect, Simple Harmonic Motion, Waves, Electrostatics, Circuits, Magnetism, EM Induction, Atomic Models, Nuclear & Quantum Physics, Fusion & Stars, Gravity, Special Relativity
Math Prerequisites	Completed Math 3	Completed Math 3	AP Calculus AB, IB Math SL I, or equivalent	Completed Math 3
Schedule Requirements	Double-blocked class that meets everyday during the same block for the entire year	Single-blocked class that meets every other day	Single-blocked class that meets every other day	Single-blocked class that meets every other day



*(Note: The **AP Physics 2** and **AP Physics C** courses can be taken in <u>any order</u> after completing an introductory physics course.*

*Either **Honors/IBMYP Physics** or **AP Physics 1** can serve as an introductory physics course.)*

This is the only courses MP offers

*(<u>Note:</u> IB Sciences, like most IB Diploma Program core courses, are 2-year courses. Students will continue into **IB Physics HL II** their senior year.)*