



Course Title: Physics I Honors

Content Area: Science

Grade Level: 11-12

Scope and Sequence

Unit or Topic	Standards	Length of Time	Key Content	Assessment Tools	Scaffolding Strategies (Interventions, Special Education)	Resources & Materials
1 dimensional kinematics	3.2.P.B1.	3 weeks	Motion, distance, velocity, acceleration	Lab worksheets, homework problems, quizzes, tests	Online content that parallels the classroom work that can be accessed as needed, extra credit problems for students as needed, lab groups to assist students, modified tests and quizzes as needed.	Physicsclassroom.com Teacher created labs Teacher created worksheets Teacher created quizzes and tests
Freefall	3.2.P.B1.	2 weeks	Gravitational acceleration	Lab worksheets, homework problems, quizzes, tests	Online content that parallels the classroom work that can be accessed as needed, extra credit problems for students as needed, lab groups to assist students, modified tests and quizzes as needed.	Physicsclassroom.com Teacher created labs Teacher created worksheets Teacher created quizzes and tests
Newton's Laws and Forces	3.2.P.B1.	3 weeks	Forces and free body diagrams,	Lab worksheets, homework	Online content that parallels the classroom work that	Physicsclassroom.com Teacher created labs



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			Newton's 3 laws of forces	problems, quizzes, tests	can be accessed as needed, extra credit problems for students as needed, lab groups to assist students, modified tests and quizzes as needed.	Teacher created worksheets Teacher created quizzes and tests
Vectors and 2-dimensional motion	3.2.P.B1.	3 weeks	Trigonometric calculations with motion	Lab worksheets, homework problems, quizzes, tests	Online content that parallels the classroom work that can be accessed as needed, extra credit problems for students as needed, lab groups to assist students, modified tests and quizzes as needed.	Physicsclassroom.com Teacher created labs Teacher created worksheets Teacher created quizzes and tests
Momentum and Impulse	3.2.12.B2.	3 weeks	Momentum of collisions and moving objects, impulse needs to change momentum	Lab worksheets, homework problems, quizzes, tests	Online content that parallels the classroom work that can be accessed as needed, extra credit problems for students as needed, lab groups to assist students, modified tests and quizzes as needed.	Physicsclassroom.com Teacher created labs Teacher created worksheets Teacher created quizzes and tests
Work, energy, and power	3.2.12.B2.	3 weeks	Work, kinetic energy, gravitational	Lab worksheets, homework	Online content that parallels the classroom work that	Physicsclassroom.com Teacher created labs



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			potential energy, elastic energy, power, and conservation of mechanical energy	problems, quizzes, tests	can be accessed as needed, extra credit problems for students as needed, lab groups to assist students, modified tests and quizzes as needed.	Teacher created worksheets Teacher created quizzes and tests
Circular Motion and Satellite Motion	3.2.12.B2.	3 weeks	Simple motion in circles, Simple Harmonic Motion, Gravitational effects and satellite motion.	Lab worksheets, homework problems, quizzes, tests	Online content that parallels the classroom work that can be accessed as needed, extra credit problems for students as needed, lab groups to assist students, modified tests and quizzes as needed.	Physicsclassroom.com Teacher created labs Teacher created worksheets Teacher created quizzes and tests
Static Electricity	3.2.P.B4.	3 weeks	Nature of charge, charge interactions, electric force, electric fields	Lab worksheets, homework problems, quizzes, tests	Online content that parallels the classroom work that can be accessed as needed, extra credit problems for students as needed, lab groups to assist students, modified tests and quizzes as needed.	Physicsclassroom.com Teacher created labs Teacher created worksheets Teacher created quizzes and tests
Electric Circuits	3.2.P.B4.	3 weeks		Lab worksheets, homework	Online content that parallels the classroom work that	Physicsclassroom.com Teacher created labs



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Vibrations and waves	3.2.P.B5.	4 weeks	Wave properties, wave addition and superposition, standing waves and nodes, wave speed calculations.	Lab worksheets, homework problems, quizzes, tests	Online content that parallels the classroom work that can be accessed as needed, extra credit problems for students as needed, lab groups to assist students, modified tests and quizzes as needed.	Physicsclassroom.com Teacher created labs Teacher created worksheets Teacher created quizzes and tests
Sound and Music	3.2.P.B5.	4 weeks	Opened and closed tube instruments, stringed instruments, harmonics	Lab worksheets, homework problems, quizzes, tests	Online content that parallels the classroom work that can be accessed as needed, extra credit problems for students as needed, lab groups to assist students, modified tests and quizzes as needed.	Physicsclassroom.com Teacher created labs Teacher created worksheets Teacher created quizzes and tests