

## Course Syllabus - Online Physical Science

Week	What you should do during the week	What to turn in
Week 1	Chapter 1 <input type="checkbox"/> Introduction <input type="checkbox"/> Section 1.1: Some History <input type="checkbox"/> HW 1A <input type="checkbox"/> Section 1.2: Distance, Time, and Average Speed <input type="checkbox"/> HW 1B <input type="checkbox"/> Section 1.3: Reference Frames <input type="checkbox"/> HW 1C	HW 1A HW 1B HW 1C
Week 2	<input type="checkbox"/> Section 1.4: Graphing Motion <input type="checkbox"/> HW 1D <input type="checkbox"/> Section 1.5: Motion at Various Speeds <input type="checkbox"/> Section 1.6: Converting Units of Speed <input type="checkbox"/> Lab 1A <input type="checkbox"/> HW 1E	HW 1D HW 1E Lab 1A
Week 3	<input type="checkbox"/> Section 1.7: Vectors <input type="checkbox"/> Section 1.8: Acceleration <input type="checkbox"/> HW 1F <input type="checkbox"/> Supplemental Reading 1A <input type="checkbox"/> Chapter 1 Test	HW 1F Test on Chapter 1
Week 4	Chapter 2 <input type="checkbox"/> Section 2.1: Force <input type="checkbox"/> Section 2.2: Mass and Inertia <input type="checkbox"/> Section 2.3: Newton's 2 <sup>nd</sup> Law <input type="checkbox"/> HW 2A <input type="checkbox"/> HW 2B	HW 2A HW 2B
Week 5	<input type="checkbox"/> Section 2.4: Motion and Force in Two Dimensions <input type="checkbox"/> Section 2.5: Friction	HW 2C HW 2D
Week 6	<input type="checkbox"/> Section 2.6: Gravity <input type="checkbox"/> Section 2.7: Newton's 3 <sup>rd</sup> Law <input type="checkbox"/> Lab 2A <input type="checkbox"/> Chapter 2 Test	Lab 2A Test on Chapter 2
Week 7	<input type="checkbox"/> Section 3.1: Pressure <input type="checkbox"/> HW 3A <input type="checkbox"/> Section 3.2: Fluids <input type="checkbox"/> Section 3.3: Fluid Pressure, Hydraulics <input type="checkbox"/> Lab 3A	HW 3A Lab 3A
Week 8	<input type="checkbox"/> Section 3.4: Floating and Sinking, Archimedes Principle <input type="checkbox"/> Lab 3B <input type="checkbox"/> HW 3B <input type="checkbox"/> Section 3.5: Bernoulli's Principle <input type="checkbox"/> HW 3C <input type="checkbox"/> Lab 3C <input type="checkbox"/> Supplemental Reading 3A <input type="checkbox"/> Chapter 3 Test	HW 3B HW 3C Lab 3A, 3B, 3C Test on Chapter 3

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Week 9	<input type="checkbox"/> Section 4.1: Introduction to Simple Machines <input type="checkbox"/> Section 4.2: Levers <input type="checkbox"/> HW 4A <input type="checkbox"/> Section 4.3: Inclines <input type="checkbox"/> Section 4.4: Wheel and Axle <input type="checkbox"/> HW 4B	HW 4A HW 4B
Week 10	<input type="checkbox"/> Section 4.5: Pulleys <input type="checkbox"/> HW 4C <input type="checkbox"/> Section 4.6: Gears	HW 4C
Week 11	<input type="checkbox"/> Section 4.7: Work and Efficiency <input type="checkbox"/> HW 4D <input type="checkbox"/> Section 4.8: Simple Machines in the Human Body <input type="checkbox"/> Chapter 4 Test	HW 4D Test on Chapter 4
Week 12	<input type="checkbox"/> Section 5.1: Temperature <input type="checkbox"/> Section 5.2: Heat <input type="checkbox"/> HW 5A <input type="checkbox"/> Section 5.3: The Equation for Heat Transfer <input type="checkbox"/> HW 5B <input type="checkbox"/> Section 5.4: Thermal Expansion	HW 5A HW 5B
Week 13	<input type="checkbox"/> Section 5.5: Transfer by Conduction, Convection, Radiation <input type="checkbox"/> Section 5.6: Change of Phase <input type="checkbox"/> HW 5C <input type="checkbox"/> Section 5.7: Phase Changes in Water <input type="checkbox"/> HW 5D <input type="checkbox"/> HW 5E <input type="checkbox"/> Chapter 5 Test	HW 5C HW 5D HW 5E Test on Chapter 5
Week 14	First Semester Exam	

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Week	What you should do during the week	What to turn in
Week 15	<input type="checkbox"/> Section 6.1: Electric Charge <input type="checkbox"/> Section 6.2: Electric Current <input type="checkbox"/> HW 6A <input type="checkbox"/> Section 6.3: Voltage	HW 6A
Week 16	<input type="checkbox"/> Section 6.4: Ohm's Law <input type="checkbox"/> HW 6B <input type="checkbox"/> Section 6.5: Series and Parallel Circuits <input type="checkbox"/> Section 6.6: Magnets	HW 6B
Week 17	<input type="checkbox"/> Section 6.7: Magnetic Fields and Magnetic Domains <input type="checkbox"/> HW 6C <input type="checkbox"/> Section 6.8: Electric Current and Magnetic Fields <input type="checkbox"/> Lab 6A and Lab 6B	HW 6C Lab 6A Lab 6B Test on Chapter 6
Week 18	<input type="checkbox"/> Section 7.1: The Elements <input type="checkbox"/> HW 7A <input type="checkbox"/> Section 7.2 : Isotopes	HW 7A
Week 19	<input type="checkbox"/> Section 7.3: The Nature of Light; Scientific Revolution <input type="checkbox"/> HW 7B	HW 7B
Week 20	<input type="checkbox"/> Section 7.4: Radioactivity <input type="checkbox"/> HW 7C <input type="checkbox"/> Section 7.5: Fission and Fusion <input type="checkbox"/> HW 7D <input type="checkbox"/> Chapter 7 Test	HW 7C HW 7D Test on Chapter 7
Week 21	<input type="checkbox"/> Section 8.1: Physical and Chemical Changes <input type="checkbox"/> Section 8.2: Chemical Equations <input type="checkbox"/> HW 8A	HW 8A
Week 22	<input type="checkbox"/> Section 8.3: Covalent Bonds <input type="checkbox"/> Section 8.4: Ionic Bonds <input type="checkbox"/> HW 8B	HW 8B
Week 23	<input type="checkbox"/> Section 8.5: Organic Compounds <input type="checkbox"/> HW 8C <input type="checkbox"/> HW 8D <input type="checkbox"/> Supplemental Reading 8A <input type="checkbox"/> Chapter 8 Test	HW 8C HW 8D Chapter 8 Test
Week 24	<input type="checkbox"/> Section 9.1: Early Astronomy <input type="checkbox"/> Section 9.2: The Earth, Moon, Sun System <input type="checkbox"/> HW 9A <input type="checkbox"/> HW 9B <input type="checkbox"/> HW 9C	HW 9A HW 9B HW 9C
Week 25	<input type="checkbox"/> Section 9.3: The Moon <input type="checkbox"/> Section 9.4: From the Earth to the Moon <input type="checkbox"/> Chapter 9 Test	Test on Chapter 9

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Week	What you should do during the week	What to turn in
Week 26	<input type="checkbox"/> Section 10.1: Historical Look at the Solar System <input type="checkbox"/> HW 10A <input type="checkbox"/> Section 10.2: The Sun <input type="checkbox"/> HW 10B <input type="checkbox"/> Lab 10A	HW 10A HW 10B Lab 10A
Week 27	<input type="checkbox"/> Section 10.3: The Inner Solar System <input type="checkbox"/> Section 10.4: The Outer Solar System <input type="checkbox"/> HW 10C <input type="checkbox"/> Test on Chapter 10	HW 10C Chapter 10 Test
Week 28	<input type="checkbox"/> Section 11.1: The Tools Astronomers Use <input type="checkbox"/> HW 11A <input type="checkbox"/> Section 11.2: Astronomical Distances <input type="checkbox"/> HW 11B	HW 11A HW 11B
Week 29	<input type="checkbox"/> Section 11.3: Stars <input type="checkbox"/> HW 11C <input type="checkbox"/> Section 11.4: Galaxies <input type="checkbox"/> HW 11D <input type="checkbox"/> Chapter 11 Test	HW 11C HW 11D Chapter 11 Test
Week 30	Second Semester Exam	