

Section/ Activity	Assignment	Labs/Activities/Notes
Chapter 1: A Physics Toolkit (5 days)		
1.1 – 1.3	Syllabus, lab safety, formula sheet, etc. Study Guide Chapter 1	
	Finish Study Guide Connecting Math to Physics	Activity 2 and 3
Lab		<i>Mystery Plot (1.3)</i>
Sig. Dig. Review	Worksheet Pg. 26 – 28: 67 (a, c, d), 68, 70 – 73, 75 – 77, 83, 86 Study Chapter 1 summary	
Assessment		Check Review Assessment Chapter 1
Chapter 2: Representing Motion (3 days)		
Notes 2.1, 2.2	Pg. 33: 1 – 4 Pg. 37: 5 - 8	
Notes 2.3, 2.4	Pg. 39: 9 – 13 Pg. 41: 14 – 18 Pg. 45: 25 - 28	
Lab		P01: Understanding Motion 1

Chapter 3: Accelerated Motion (7 days)		
Notes 3.1	Pg. 61: 1 – 5 Pg. 64: 6 - 11	
Notes 3.2	Pg. 65: 18 – 21 Pg. 67: 22 – 25 Pg. 69: 26 - 29	
Notes 3.3	Pg. 71: 30 – 33 Pg. 74: 42 - 46	
Review	Pg. 53: 49 – 51 Pg. 81 - 83: 80 – 82, 88, 90, 98 Study Chapter 2 and 3 summary	
Check Review	Vocabulary	
Assessment		Chapter 2, 3
Chapter 4: Forces in One Dimension (7 days)		
Notes 4.1	Pg. 89: 1 – 5 Pg. 93: 6 – 8	
Notes 4.2	Pg. 97: 15 – 28 Pg. 100: 19, 20	
Lab		Experiment 8: Acceleration Down an Incline
Notes 4.3	Pg. 104: 28 – 31 Pg. 106: 32, 33	
Review	Pg. 112 – 115: 59, 60, 62, 64, 68, 70, 75, 78, 89. Study Chapter 4 summary	
Check Review	Vocabulary	
Assessment		Chapter 4

Chapter 9: Momentum and its Conservation		
Notes 9.1	Pg. 233: 1 – 5	
Notes 9.2 (Through example 3)	Pg. 238: 13 – 18 Pg. 240: 19 – 21	
Notes 9.2 continued	Pg. 243: 22 – 25	
Lab		Exp. 1: Conservation of mom.
Review	Pg. 224: 86 – 88 Pg. 253 – 254: 83 – 88	Study 8.3 and Chapter 9 summary
Assessment		8.3 and Chapter 9
Chapter 10: Energy, Work, and Simple Machines (4 days)		
Notes 10.1	Pg. 261: 1 – 3 Pg. 262: 4 - 8	
Lab		Experiment 12: Power (10.1)
Notes 10.2	Pg. 264: 9 – 14 Pg. 272: 24 - 28	
Lab		Physics Lab 10.1 (lab manual)
Review	Pg. 281: 89 – 94 (omit 93) Study Chapter 10 summary	
Check Review	Vocabulary WS	
Unit 10 Test		
Chapter 11: Energy and Its Conservation (6 days)		
Notes 11.1	Pg. 287: 1 – 3 Pg. 291: 4 - 8	
Notes 11.2	Pg. 297: 15 – 18	

	Pg. 300: 19 - 21	
Lab		Experiment 9: Conservation of Energy (11.2)
Review	Pg. 309: 84, 85, 87, 88, 90 Study Chapter 11 summary	
Check Review	Vocabulary	
Assessment		Chapter 10 and 11
Chapter 14: Vibrations and Waves (7 days)		
Notes 14.1	Pg. 378: 1 – 5 Pg. 379: 6 – 8	
Notes 14.2	Pg. 386: 15 – 21	
Notes 14.3	Pg. 391: 27 - 30	
Lab		Wave Interference – Data studio workbook (14.3)
Chapter 14 review	Pg. 397 – 398: 70, 71, 72, 77, 78, 81, 84, 85 Problem Of The Week # 7	
Check review	Vocabulary	
Assessment		Chapter 14
Chapter 15: Sound (6 days)		
Notes 15.1	Pg. 405: 1 – 5 Pg. 409: 6 - 10	
Notes 15.2	Pg. 416: 18 - 21	
Lab		Finish Sound – Datastudio workbook

Review	Pg. 427: 85 - 89 Study Ch. 15 summary	
Check review	Vocabulary	
Assessment		Chapter 15
Chapter 22: Current Electricity (7 days)		
Notes 22.1 through example 2	Pg. 594: 1 – 5 Pg. 598: 6 - 8	
Notes 22.1 continued	Pg. 598: 9 – 11 Pg. 600: 12 - 16	
Lab		Experiment 3: Ohm's Law (22.1)
Notes 22.2	Pg. 603: 23 – 27	
Review	Pg. 613: 89 - 93 Study Chapter 22 summary	
Check Review	Vocabulary	
Assessment		Chapter 22
Chapter 23: Series and Parallel Circuits (7 days)		
Notes 23.1 through example 1	Pg. 619: 1 – 5 Pg. 622: 6 - 10	
Notes 23.1 continued	Pg. 623: 11 – 14 Pg. 626: 15 - 19	
Lab		Experiment 4: Resistances in Circuits (23.1)
Notes 23.2	Pg. 630: 25 – 28 Pg. 631: 29 - 32	
Lab		Experiment 5: Voltages in Circuits (23.2)
Lab		Experiment 6: Currents in Circuits (23.2)

Review	Pg. 639: 87 - 92 Study Chapter 23 summary	
Check Review	Vocabulary	
Assessment		Chapter 23
Chapter 5: Forces in Two Dimensions (9 days)		
Notes 5.1 a	Pg. 121: 1 – 4	
Notes: 5.1 b	Pg. 125: 5 – 10	
Notes 5.2	Pg. 128: 17 – 21 Pg. 130: 22 – 26	
Lab		Kinetic friction
Notes 5.3	Pg. 133: 33 – 37 Pg. 135: 38 – 41	
Lab		Experiment 1 Vector Addition or Virtual Physics Helicopter in Flight
Review	Pg. 143 – 144: 103 – 105, 111 – 113 Study 5 summary	
Check Review	Vocabulary	
Assessment		Chapters 5

Chapter 6: Motion in Two Dimensions (3 days)		
Notes 6.1	Pg. 150: 1 – 3 Pg. 152: 4 – 6	
Lab		Experiment 1: Projectile Motion (6.1)
Notes 6.2	Pg. 156: 12 – 15	
Notes 6.3	Pg. 159: 22 - 25	
Review	Pg. 165 – 167: 53, 55, 56, 61, 65, 68, 71 Pg. 861: 6	
Check Review		
Assessment		
Chapter 7: Gravitation (6 days)		
Notes 7.1	Pg. 174: 1 – 5	
Lab		P06: Acceleration Due to Gravity
Notes 7.2	Pg. 181: 12 – 14	
Review	Pg. 191: 52, 53, 61, 71, 72, 73 Pg. 864: 11 Study Chapter 7 Summary	
Check Review	Vocabulary	
Assessment		Chapters 7
Chapter 16: Fundamentals of Light		
Notes 16.1	Pg. 436: 1 – 6 Pg. 438: 11, 12	
Lab		Light Intensity Vs. Distance (16.1)
Notes 16.2	Pg. 447: 14 - 20	
Review	Pg. 454: 53, 55, 59	

	Pg. 877: 4, 5 POW: #8 Study Pg. 451	
	Vocabulary Puzzle	Check Review
Test		
Chapter 17: Reflection and Mirrors		
Notes: 17.1	Pg. 460: 1 – 5 Pg. 463: 9, 10	
Lab		<i>Forensics Lab 8 (17.1)</i>
Notes: 17.2A	Pg. 469: 12 – 16	
Notes: 17.2B	Pg. 473: 17 – 21 Ray Diagram ws	
	Lab	<i>Experiment 3: Reflection Plane and Curved Mirrors (17.2)</i>
Review	Pg. 480 – 481: 74 - 80 Study Pg. 477	
	Vocabulary Puzzle	Check Review
Test		
Chapter 18: Refraction and Lenses		
Notes 18.1	Pg. 487: 1 – 5 Pg. 492: 7, 9, 11	
Lab		Snell's Law
Notes 18.2	Pg. 496 – 497: 15 - 22	
Lab		<i>Physics Lab 18.2 (Lab Manual) and/or Experiment 6 Refraction</i>
Notes 18.3	Pg. 497: 23, 24 Pg. 499: 28, 29 Pg. 503: 31 - 35	
Review	Pg. 511: 95 – 100 Study Pg. 507	
	Vocabulary Puzzle	Check Review

Test 18		
Chapter 12: Thermal Energy (2 days)		
Notes 12.1	Pg. 317: 1, 2 Pg. 319: 3 – 5 Pg. 321: 6 – 9	
Lab		Forensics Lab 7 (12.1) or Physics Lab 12.1 (Lab Manual)
Chapter 30: Nuclear Physics (9 days)		
Notes 30.1	Pg. 801: 1 – 4 Pg. 805: 5 - 8	
Video	United Streaming	Physics a World in Motion: Fission and Fusion
Notes 30.2	Pg. 809: 23 Pg. 810: 24 – 27 Pg. 814: 29, 30, 32, 33	
Lab		Radioactive decay (30.2)
Notes 30.3	Pg. 821: 35 – 38 Pg. 823: 39 - 42	
Video	United Streaming	Elements of Physics: Matter – Atoms and Molecules
Review	Pg. 830: 85 – 88 Pg. 336: 52, 55, 56, 57 Study Chapter 30 summary, 12.1	
Check Review	Vocabulary	
Assessment		Chapter 30, 12.1

Chapter 24: Magnetic Fields (1 days)		
Notes 24.2	Pg. 654: 16 – 20 Pg. 658: 21 – 25	
Chapter 25: Electromagnetic Induction (2 days)		
Notes 25.1	Pg. 675: 1 – 4 Pg. 679: 5 - 8	
Lab		Virtual Physics: Generators and Transformers (25.2)
Chapter 26: Electromagnetism (5 days)		
Notes 26.2	Pg. 706: 15 – 18 Pg. 707: 19 – 21 Pg. 713: 24, 28	
Video		<i>United Streaming:</i> <i>Greatest Discoveries with Bill Nye - Physics</i>
Review	Pg. 666: 73 – 79 odd Pg. 692: 61 – 67 odd Pg. 719: 55, 56, 58, 59 Study Chapter 24.2, 25.1, 26.2 summary	
Check Review	Vocabulary	
Assessment		Chapter 24.2, 25.2, 26.2