

Physics Unit A Outline (Day 1)

<i>Day</i>	<i>Content/Topic</i>	<i>Reading</i>	<i>Assignment</i>
1 (Aug24)	Introduction	Text Ch 1	Supplemental Problems (Toolkit) #1-12 Newsflash "Describe the Physicist"
2 (Aug26)	Measurements, prefixes, uncertainty	Text Ch 1 Appendix A pp. 833-836	Ch 2: #5, 8, 10, 11, 17, 18, 20, 22, 25, 27-29, 39, 40, 42, 46, 49, 51, 59, 60 Extra Practice #83 - 97
3 (Aug28)	Motion diagrams, Position, Distance, Displacement, Vector quantities, Average Velocity,	Text 2.1, 2.2, 2.4 (Pushing Cart Activity)	Exercise A1 (handout) Ch 2: #5 - 7, 35, 37, 38, 49, 51, 53
4 (Sep1)	Graphing Process Lab A1	Graphing handout	Exercise A2 (handout) Lab A1
5 (Sep3)	Position-time graphs, Instantaneous Velocity, Velocity-time graphs	Text 2.3,2.4	Ch 2: #9, 11 - 13, 15 - 18, 21 - 24, 25, 27, 29,32, 41, 46, 48, 54, 58, 62, 64
6 (Sep7)	Acceleration and velocity-time graphs Lab A2 (Uniform Acceleration)	Text 3.1 and 3.2	Ch3: #3, 4, 5, 6 - 10, 12 - 17, 19 - 21 Lab analysis and evaluation (please refer to marking rubric)
7 (Sep9)	Quiz A1 (5%) Lab A2 (Uniform Acceleration)	Text 3.1 and 3.2	Ch 3: #25, 26 - 29, 30 - 33 Lab A2 - evidence, analysis and evaluation (please refer to marking rubric)
8 (Sep11)	Acceleration and v-t graphs and displacement. Problem solving	Text 3.2	Ch 3: #34, 37, 38, 39, 79 - 95, 112
9 (Sep15)	Acceleration (continued) Free fall	Text 3.2, 3.3	Finish up Ch3 problems from Day 6, 7, 8 Ch 3: #42, 44, 45, 47, 48, 50
10 (Sep17)	Free Fall Lab A3 (Determining a_g)	Text 3.3	Ch 3: #51, 76, 78, 96, 98, 100, 107, 109, 111, 118; Lab A3: Evidence, Analysis, Evaluation
11 (Sep21)	Direction of vectors; relative velocity (vector addition 1 D) 2D Vector addition (relative velocity)	Text 3.3 Text 5.1, 6.3	Exercise A4 (handout) Ch 6: #22 - 24, 26, 68, 69, 75, 76 Exercise A3 (extra practice)
12 (Sep23)	2D Vector addition (relative velocity) continued Adjusting headings for winds and currents	Text 5.1 and 6.3	Ch 6: #25, 28, 70; Exercise A5 (#1-4) (handout) Portfolio A1 Due Exercise A5 (#5 - 8); Ch 6: #31, 72, 73 Challenge question is Ch 6 #30
13 (Sep25)	Quiz A2 (5%) Vector components	Text 5.1 and 6.3	Ch 5: #9, 13, 80 Exercise A6
14 (Sep29)	Vector Scale Diagrams	Text 5.1 and 6.3	Exercise A7 (handout)
Oct 1- 5	EID Break		
15 (Oct6)	Adding 2D non perpendicular vectors	Handout complex vector addition	Ch 5: #5, 14, 82, 84 Exercise A9 (optional)
16 (Oct8)	Projectile Motion; start Lab A4	Text 5.1, 6.1, 6.3	Ch 6: #7, 34, 35, Ch 6: #1, 2, 40, 42, 44,
17 (Oct12)	Lab A4 (Projectile Motion) Quiz A3 (5%)	Text 6.1	Lab A4 Evidence, Analysis
18 (Oct14)	Projectile Motion - Horizontal		Ch 6: #51, 52, 53, 59
19 (Oct16)	Kinematic Review		Unit A Review (handout) Standardized Test Practice Ch 2,3
20 (Oct20)	Kinematic Exam (10%)		Portfolio A2 Due