

GRADE 11 ACADEMIC PHYSICS AGENDA - SPH3U SEPTEMBER 2009 TO JANUARY 2010

LESSON NUMBER	DATE	TEXT BOOK SECTION COVERED OR LAB	QUESTIONS ASSIGNED IN ADDITION TO QUESTIONS LISTED IN THE COURSE NOTES
1		INTRODUCTION / EVALUATION / AGENDA	
2		d-t GRAPHS 1.1- 1.3	P 11 #2-4 P 13 #1-5
3		1.4 - 1.5	P 15 #1-3 P 19 #1-2
4		1.6 - 1.7	P 23 #1-2 P 25 #1-2 P 34 #39 P 68 #16
5		LAB 1	MOTION OF A RUNNER
6		v-t GRAPHS 2.1	P 48 #1-2
7		2.2	P 69 #22 P 70 #23, 28
8		2.3-2.4	P 62 #1-3 P 71 #34, 38, 45, 54, 57, 60
9		REVIEW CHAPTERS 1 + 2	P 31 #17a, c 27, 29 p 69 #19, 20, 33, 37, 39, 44, 48
10		MOTION IN 2 DIMENSIONS 3.1	P 82 #1-2 P 112 #14
11		3.2 - 3.3	P 82 #2c (TRIG. METHOD ONLY) P 113 #29
12		3.4	P 101 #1-2 P 114 #37, 38, 39
13		3.5	P 107 #2c P115 #44, 50, 58, 62
14		LAB 2	PROJECTILE MOTION (VIRTUAL)
15		REVIEW CHAPTER 3	P 112 #28, 32, 36, 41, 47, 51, 54
16		TEST CHAPTER 1 + 2 + 3	KINEMATICS
17		NEWTON'S LAWS 4.1-4.2	P 124 #1-2 P 144 #21, 27, 28, 31
18		4.3	P 130 #1-2 P 144 #22, 33, 35, 36, 42
19		4.4	P 147 #44, 45, 46, 47, 49, 53, 54
20		4.5	Review P 146 #39, 40, 41, 43, 48, 50, 55
21		LAB 3	NEWTON'S SECOND LAW
22		APPLYING NEWTON'S LAWS 5.1 - 5.3	P 161 #1 P 182 #21, 25, 28
23		5.4 - 5.5	P 165 #1 P 183 #38, 42, 46, 48
24		LAB 4	FRICTION
25		5.6 - 5.7	P 184 #51, 54, 55, 58, 59
26		REVIEW CHAPTERS 5	P 183 # 20, 33, 40, 44, 46, 51, 57
27		MOMENTUM 6.1 - 6.2	P 207 #21, 23, 28, 30
28		6.3	P 208 #35, 36, 38, 40
29		REVIEW CHAPTERS 6	P 207-208 24, 26,31,33,39,41
30		TEST CHAPTERS 4 + 5 + 6	DYNAMICS
31		MECHANICAL ENERGY 7.1 - 7.3	P 241 #12, 16, 19, 22, 24, 25, 27, 28
32		7.4 - 7.8	P 242 #31, 34, 37, 41, 42, 44, 45, 46
33		LAB 5	HORSEPOWER
34		THERMAL ENERGY 8.1 - 8.4	P 259 #1- 4 P 276 #23, 25, 27, 29
35		8.5 - 8.7	P 276 #30, 33, 34, 38, 39
36		LAB 6	SPECIFIC HEAT CAPACITY
37		REVIEW CH 8	P 275 #6, 13, 15, 17, 26, 32, 36, 40
38		TEST CHAPTERS 7 + 8	ENERGY & HEAT
39		REFRACTION 11.1 - 11.4	P 392 # 24 (b), 26, 28(a), 30(a), 35(a), 37(d), 42, 45
40		11.5 - 11.7	P 394 #48, 50(a), 51, 54, 55 EARLY DISMISSAL
41		11.8 - 11.9	P.61, 62, 63, 64, 65, 74, 77
42		REVIEW CHAPTERS 11	P392#28(a),30(a),38(a,b) 45,49,52,57(a),72,76.
46		QUIZ CHAPTER 11	LIGHT & OPTICS
47		BASICS OF SOUND 13.1 - 13.2	P 474 # 24, 26, 32, 33b, 35c,d, 38, 39
48		13.3 - 13.4	P 475 #44 c,d, 45d, 48, 49a,d, 50, 56, 57, 60, 62
49		13.5 - 13.7	P 476 # 64, 66, 67, 68
50		REVIEW CHAPTERS 13	P.474# 24,29,34(a)46,49(a,c),59,69
51		SOUND "EFFECTS" 14.1 - 14.4	P 511 #10(a,d), 11, 13, 17, 20
52		14.5 - 14.6	P 513 #21, 22, 23, 25, 30, 31, 32
53		LAB 7	WAVES IN A COIL SPRING

54	14.7 - 14.8	P 514 #37, 39 P 511 #5, 8, 9
55	REVIEW CHAPTERS 14	P 511 # 10(b,c), 13, 15,19, 27,33
56	TEST CHAPTERS 13 + 14	SOUND
57	ELECTROSTATICS 15.1 - 15.3	P 539 #1, 7, 12, 13, 14, 18
58	15.4 - 15.6	P 540 #20, 21, 22, 23, 24, 29
59	REVIEW CHAPTERS 15	P 539 # 2, 3, 11, 16, 21, 25, 26,28
60	CURRENT ELECTRICITY 16.1 - 16.4	P 575 #1, 9, 10, 12, 13, 15, 17, 20, 21, 22
61	16.5 - 16.6	P 576 #23, 24, 26, 28, 29, 30, 31
62	16.7	P 577 #35
63	16.8 - 16.9	P 569 #1, 2, 3 P 571 #1, 2 P 578 #37, 38, 39, 40
64	LAB 8a & 8b	SIMPLE SERIES AND PARALLEL CIRCUITS
65	REVIEW CHAPTERS 16	P.575 #11,14,18,25, 32, 33, 36
66	ELECTROMAGNETISM 17.1 - 17.2	P 589 #1, 2 P 599 #20, 21, 22, 23, 24
67	17.3 - 17.4	MAKE NOTES ON TABLES 17.3 + 17.4 P 601 #26 - 30
68	REVIEW CHAPTERS 17	P 599 # 4, 5, 8, 17, 25,26,27,28,30,
69	ELECTROMAGNETIC INDUCTION 18.1 - 18.3	P 625 #16 - 20
70	18.4 - 18.6	P 627 #21, 22, 23, 26, 30, 31
71	REVIEW CHAPTERS 18	P 625 # 6, ,24, 25, 27, 29 ,32
72	TEST CHAPTERS 15 + 16 + 17 + 18	ELECTRICITY & MAGNETISM
73	NUCLEAR POWER 19.1 - 19.2	P 635 #1, 2
74	19.3 -19.4	P 663 #11- 15 , P. 664 #17-20
75	19.5 -19.6	P 664 #21 - 24 P.644 # 25-29
76	CULMINATING TASK	
77	CULMINATING TASK	
78	CULMINATING TASK	
79	CULMINATING TASK	
80	EXAM REVIEW	
81	EXAM REVIEW	
82	EXAM REVIEW	
83	EXAM REVIEW	
84	EXAM REVIEW	
85	EXAM REVIEW	