



# Conceptual Physics, Honors

## Lesson Planner

### One Year, Physics



For an automated calendar using this same information, visit [HomeschoolPlanet.com](http://HomeschoolPlanet.com)

Day	Module Assignments	Action Items
1	Unit A, Mechanics Part 1, Module 1, Assignment 1	
		Note: This planner is specific to the 12th edition of Conceptual Physics, CP12e
		After purchasing your "Conceptual Physics, Honors" Conceptual Academy course, sign into your student profile page.
		Watch the "Tiger Video" to become familiar with the Conceptual Academy interface.
		Carefully review the first "FYI" page.
		Download instructor documents from the Doc Share for your instructor.
		Download information about the lab activities: To the Student, Instructor Notes, Grading Rubric, Materials lists.
		Download the answers to all Practice Page worksheets for the first unit from the Doc Share: CPPPansUnitA.pdf
		Obtain a composition book into which you can record your observations and answers to questions. We'll refer this as your "field journal"
		Important Note: Select chapters and select pairs of chapters are provided as optional. This includes chapters 8, 11, 18, 32, and chapter pairs 29/30, 33/34, and 35/36. Green font in this planner. Using the pace outlined in this planner, to reach an academic year of around 180 days the student will need to select about 5 of these optional chapters based upon their interests.
2	Unit A, Mechanics Part 1, Module 1, Assignment 2	
		Read the "How To Study Effectively" document from the Doc Share.
		Study Sections: 1.1 - 1.3 (Videos + Textbook)
		Take corresponding video quizzes
3	Unit A, Mechanics Part 1, Module 1, Assignment 3	
		Perform Activity: 01WWWW.pdf
		See Doc Share to download the PDF
		Record your experience and observations in your field journal.
4	Unit A, Mechanics Part 1,	



	Module 1, Assignment 4	
		Study Sections: 1.4 - 1.6 (Videos + Textbook)
		Take corresponding video quizzes
		Download and work on Practice Pages from the Doc Share: CPPP01.pdf
5	Unit A, Mechanics Part 1, Module 1, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
		Download and study Next Time Questions (NTQ): AboutSciNTQ.pdf
6	Unit A, Mechanics Part 1, Module 2, Assignment 1	
		Study Sections: 2.1 - 2.4 (Videos + Textbook)
		Take corresponding video quizzes
7	Unit A, Mechanics Part 1, Module 2, Assignment 2	
		Perform Activity: Rubber Band Balance
		See Doc Share to download the PDF: CPRubberBand.pdf
		Record your experience and observations in your field journal.
8	Unit A, Mechanics Part 1, Module 2, Assignment 3	
		Study Sections: 2.5 - 2.8 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
		Download and study Next Time Questions (NTQ): NewtonFirstNTQ.pdf
9	Unit A, Mechanics Part 1, Module 2, Assignment 4	
		Perform Activity: Plank
		See Doc Share to download the PDF: CPPlank.pdf
		Record your experience and observations in your field journal.
10	Unit A, Mechanics Part 1, Module 2, Assignment 5	
		Download and work on Practice Pages from the Doc Share: CPPP02.pdf
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
11	Unit A, Mechanics Part 1, Module 2, Assignment 6	

		Textbook End-of-Chapter Questions (In Writing): Page 36: Answer 31, 33, 35.
		Textbook End-of-Chapter Questions (In Writing): Page 37: Answer 63, 65.
		Textbook End-of-Chapter Questions (In Writing): Page 37: Answer 89.
		You can use a second field journal to record your written answers to end-of-chapter questions.
12	Unit A, Mechanics Part 1, Module 3, Assignment 1	
		Study Sections: 3.1 - 3.4 (Videos + Textbook)
		Take corresponding video quizzes
13	Unit A, Mechanics Part 1, Module 3, Assignment 2	
		Study Sections: 3.5 - 3.6 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
		Download and study Next Time Questions (NTQ): NTQA3.pdf
14	Unit A, Mechanics Part 1, Module 3, Assignment 3	
		Download and work on Practice Pages from the Doc Share: CPPP03.pdf
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
15	Unit A, Mechanics Part 1, Module 3, Assignment 4	
		Perform Activity: Ruler Drop
		See Doc Share to download the PDF: CPRulerDrop.pdf
		Record your experience and observations in your field journal.
16	Unit A, Mechanics Part 1, Module 3, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 53: Answer 31, 35.
		Textbook End-of-Chapter Questions (In Writing): Page 54: Answer 41, 43.
		Textbook End-of-Chapter Questions (In Writing): Page 55: Answer 53, 71, 75.
		Are you using a second field journal to record your written answers to these end-of-chapter questions?
17	Unit A, Mechanics Part 1, Module 4, Assignment 1	

		Study Sections: 4.1 - 4.3 (Videos + Textbook)
		Take corresponding video quizzes
18	Unit A, Mechanics Part 1, Module 4, Assignment 2	
		Play with PhET simulation: Forces and Motion
		Optional: Follow the directions in the L-Pushing.pdf document found in the Doc Share.
		Optional: Get a head start on the next assignment: worksheets or the Ball Drop activity.
19	Unit A, Mechanics Part 1, Module 4, Assignment 3	
		Download and work on Practice Pages from the Doc Share: CPPP04.pdf
		Perform Activity: Ball Drop
		See Doc Share to download the PDF: BallDropOpt.pdf (FYI, "Opt" in the filename means this particular pdf has been "optimized" for a minimum file size)
		Record your experience and observations in your field journal.
20	Unit A, Mechanics Part 1, Module 4, Assignment 4	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
21	Unit A, Mechanics Part 1, Module 5, Assignment 1	
		Study Sections: 4.4 - 4.6 (Videos + Textbook)
		Take corresponding video quizzes
22	Unit A, Mechanics Part 1, Module 5, Assignment 2	
		Perform Activity: Bottle Drop
		See Doc Share to download the PDF: BottleDropOpt.pdf
		Record your experience and observations in your field journal.
23	Unit A, Mechanics Part 1, Module 5, Assignment 3	
		Textbook End-of-Chapter Questions (In Writing): Page 70: Answer 53, 57.
		Textbook End-of-Chapter Questions (In Writing): Page 71: Answer 63, 77, 81, 89.
		Textbook End-of-Chapter Questions (In Writing): Page 21: Answer 97.
24	Unit A, Mechanics Part 1,	

	Module 5, Assignment 4	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
		Download and study Next Time Questions (NTQ): NTQ04.pdf
25	Unit A, Mechanics Part 1, Module 6, Assignment 1	
		Study Sections: 5.1 - 5.5 (Videos + Textbook)
		Take corresponding video quizzes
		Note: The 5.3 video, Different Masses, is within the FYI page.
26	Unit A, Mechanics Part 1, Module 6, Assignment 2	
		Download and work on Practice Pages from the Doc Share: CPPP05.pdf
27	Unit A, Mechanics Part 1, Module 6, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
		Download and study Next Time Questions (NTQ): NTQA6opt.pdf
28	Unit A, Mechanics Part 1, Module 6, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 87: Answer 31, 33, 43.
		Textbook End-of-Chapter Questions (In Writing): Page 88: Answer 49, 55, 57.
		Textbook End-of-Chapter Questions (In Writing): Page 89: Answer 67, 76.
29	Unit A, Mechanics Part 1, Module 6, Assignment 5	
		Catch Up Day: Use this day to catch up on earlier work or to simply catch your breathe before the upcoming unit exam.
30	Unit A, Mechanics Part 1, Module 6, Assignment 6	
		Take your first unit exam downloadable from the Doc Share of the FYI page. Consider taking this exam with others, including friends and family, as spelled out within the directions.
31	Unit B, Mechanics Part 2, Module 1, Assignment 1	
		Study Sections: 6.1 - 6.4 (Videos + Textbook)
		Take corresponding video quizzes

32	Unit B, Mechanics Part 2, Module 1, Assignment 2	
		Perform Activity: Bouncing
		See Doc Share to download the PDF: BoundOpt.pdf
		Record your experience and observations in your field journal.
33	Unit B, Mechanics Part 2, Module 1, Assignment 3	
		Study Sections: 6.5 - 6.7 (Videos + Textbook)
		Take corresponding video quizzes
34	Unit B, Mechanics Part 2, Module 1, Assignment 4	
		Download and work on Practice Pages from the Doc Share: CPPP06.pdf
		Note: Answers to Unit B Practice Pages are found here: CPPPUnitBAnsOpt.pdf
35	Unit B, Mechanics Part 2, Module 1, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
		Download and study Next Time Questions (NTQ): NTQB1Opt.pdf
36	Unit B, Mechanics Part 2, Module 1, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 105: Answer 31, 35, 39a, 39b.
		Textbook End-of-Chapter Questions (In Writing): Page 106: Answer 51, 59.
		Textbook End-of-Chapter Questions (In Writing): Page 107: Answer 69, 77, 81, 87, 88.
37	Unit B, Mechanics Part 2, Module 2, Assignment 1	
		Study Sections: 7.1 - 7.4 (Videos + Textbook)
		Take corresponding video quizzes
38	Unit B, Mechanics Part 2, Module 2, Assignment 2	
		Perform Activity: Easy Lifting
		See Doc Share to download the PDF: CPEasyLifting.pdf
		Record your experience and observations in your field journal.
39	Unit B, Mechanics Part 2, Module 2, Assignment 3	

		Study Sections: 7.5 - 7.8 (Videos + Textbook)
		Take corresponding video quizzes
40	Unit B, Mechanics Part 2, Module 2, Assignment 4	
		Download and work on Practice Pages from the Doc Share: CPPP07.pdf
		Note: Answers to Unit B Practice Pages are found here: CPPPUnitBAnsOpt.pdf
		Download and study Next Time Questions (NTQ): NTQB2Opt.pdf
41	Unit B, Mechanics Part 2, Module 2, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 128: Answer 51, 53.
		Textbook End-of-Chapter Questions (In Writing): Page 129: Answer 61, 66, 69, 81, 83.
		Textbook End-of-Chapter Questions (In Writing): Page 130: Answer 91.
42	Unit B, Mechanics Part 2, Module 2, Assignment 6	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
43	Unit B, Mechanics Part 2, Module 3, Assignment 1	
		Study Sections: 8.1 - 8.4 (Videos + Textbook)
		Take corresponding video quizzes
		Note: Chapter 8 is optional. Feel free to study all or part or none of this chapter. If you choose to skip Chapter 8, you'll note that Chapter 8 related questions are marked within the unit exam to allow you to skip these questions in the unit exam.
44	Unit B, Mechanics Part 2, Module 3, Assignment 2	
		Perform Activity: Peanut Butter Jar
		See Doc Share to download the PDF: CPPeanutButter.pdf.
		Record your experience and observations in your field journal.
45	Unit B, Mechanics Part 2, Module 3, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
46	Unit B, Mechanics Part 2, Module 4, Assignment 1	

		Study Sections: 8.5 - 8.8 (Videos + Textbook)
		Take corresponding video quizzes
47	Unit B, Mechanics Part 2, Module 4, Assignment 2	
		Download and work on Practice Pages from the Doc Share: CPPP08.pdf (available in the Doc Share of the previous module)
48	Unit B, Mechanics Part 2, Module 4, Assignment 3	
		Textbook End-of-Chapter Questions (Activity): Page 154: 32 (rolling Styrofoam cups)
		Textbook End-of-Chapter Questions (In Writing): Page 156: 53, 55.
		Textbook End-of-Chapter Questions (In Writing): Page 157: 61, 71, 79, 87.
		Textbook End-of-Chapter Questions (In Writing): Page 158: 99.
49	Unit B, Mechanics Part 2, Module 4, Assignment 4	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
50	Unit B, Mechanics Part 2, Module 5, Assignment 1	
		Study Sections: 9.1 - 9.4 (Videos + Textbook)
		Take corresponding video quizzes
51	Unit B, Mechanics Part 2, Module 5, Assignment 2	
		Play with PhET simulation: Gravity Force Lab
		Optional: Follow the directions in the Law_of_Attraction.pdf document found in the Doc Share.
		Download and study Next Time Questions (NTQ): NTQB5Opt.pdf
52	Unit B, Mechanics Part 2, Module 5, Assignment 3	
		Study Sections: 9.5 - 9.7 (Videos + Textbook)
		Take corresponding video quizzes
53	Unit B, Mechanics Part 2, Module 5, Assignment 4	
		Download and work on Practice Pages from the Doc Share: CPPP09.pdf
54	Unit B, Mechanics Part 2, Module 5, Assignment 5	
		Perform Activity: Catapult



		See Doc Share to download the PDF: CatapultOpt.pdf.
		Record your experience and observations in your field journal.
55	Unit B, Mechanics Part 2, Module 5, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 178: Answer 45, 47.
		Textbook End-of-Chapter Questions (In Writing): Page 179: Answer 55, 61, 67, 75.
		Textbook End-of-Chapter Questions (In Writing): Page 180: Answer 81, 85.
56	Unit B, Mechanics Part 2, Module 5, Assignment 7	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
57	Unit B, Mechanics Part 2, Module 6, Assignment 1	
		Study Sections: 10.1 - 10.4 (Videos + Textbook)
		Take corresponding video quizzes
58	Unit B, Mechanics Part 2, Module 6, Assignment 2	
		Play with PhET simulation: Gravity and Orbits
		Play with PhET simulation: Projectile Motion
		Optional: Follow the directions in the Worlds of Wonder.pdf document found in the Doc Share.
		Download and study Next Time Questions (NTQ): NTQB6Opt.pdf
59	Unit B, Mechanics Part 2, Module 6, Assignment 3	
		Perform Activity: Spit Balls
		See Doc Share to download the PDF: CPSpit0729202.pdf
		Record your experience and observations in your field journal.
60	Unit B, Mechanics Part 2, Module 6, Assignment 4	
		Study Sections: 10.5 - 10.7 (Videos + Textbook)
		Take corresponding video quizzes
61	Unit B, Mechanics Part 2, Module 6, Assignment 5	
		Download and work on Practice Pages from the Doc Share: CPPP10.pdf

62	Unit B, Mechanics Part 2, Module 6, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 202: Answer 33, 35.
		Textbook End-of-Chapter Questions (In Writing): Page 203: Answer 37, 43, 45.
		Textbook End-of-Chapter Questions (In Writing): Page 204: Answer 57, 65, 75.
63	Unit B, Mechanics Part 2, Module 6, Assignment 7	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
64	Unit B, Mechanics Part 2, Module 6, Assignment 8	
		Take your second exam downloadable from the Doc Share of the FYI page. Consider taking this exam with others, including friends and family, as spelled out within the directions.
65	Unit C, Matter, Module 1, Assignment 1	
		Study Sections: 11.1 - 11.4 (Videos + Textbook)
		Take corresponding video quizzes
		Note: Chapter 11 is optional. Feel free to study all or part or none of this chapter. If you choose to skip Chapter 11, you'll note that Chapter 11 related questions are marked within the unit exam to allow you to skip these questions in the unit exam.
66	Unit C, Matter, Module 1, Assignment 2	
		Play with PhET simulation: Build an Atom
		Download and work on Practice Pages from the Doc Share: CP11PP.pdf
		Answers to Unit C Practices Pages are in the Doc Share: UnitCPPAns.pdf
67	Unit C, Matter, Module 1, Assignment 3	
		Study Sections: 11.5 - 11.8 (Videos + Textbook)
		Take corresponding video quizzes
		Textbook End-of-Chapter Questions (In Writing): Page 224: Answer 39, 45, 49
68	Unit C, Matter, Module 1, Assignment 4	
		Perform Activity: ThicknessBB
		See Doc Share to download the PDF: ThicknessBB.pdf

		Record your experience and observations in your field journal.
69	Unit C, Matter, Module 1, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
		Textbook End-of-Chapter Questions (In Writing): Page 225: Answer 53, 55.
70	Unit C, Matter, Module 2, Assignment 1	
		Study Sections: 12.2, 12.4, 12.5, 13.1 (Videos + Textbook)
		Take corresponding video quizzes
		Textbook End-of-Chapter Questions (In Writing): Page 241: Answer 33.
71	Unit C, Matter, Module 2, Assignment 2	
		Perform Activity: Catenaries
		See Doc Share to download the PDF: Catenaries.pdf
		Record your experience and observations in your field journal.
72	Unit C, Matter, Module 2, Assignment 3	
		Play with PhET simulation: Hooke's Law
		Optional: Follow the directions in the "Spring to Another World.pdf" document found in the Doc Share.
		Textbook End-of-Chapter Questions (In Writing): Page 241: Answer 35.
		Textbook End-of-Chapter Questions (In Writing): Page 242: Answer 51.
73	Unit C, Matter, Module 2, Assignment 4	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
		Textbook End-of-Chapter Questions (In Writing): Page 242: Answer 57, 61
74	Unit C, Matter, Module 3, Assignment 1	
		Study Sections: 13.2 - 13.6 (Videos + Textbook)
		Take corresponding video quizzes
75	Unit C, Matter, Module 3, Assignment 2	

		Perform Activity: Spout Altitude or Density
		See Doc Share to download the PDF: SpoutAltitude.pdf or CPDensity
		Record your experience and observations in your field journal.
76	Unit C, Matter, Module 3, Assignment 3	
		Download and work on Practice Pages from the Doc Share: CP13PP.pdf
		Download and study Next Time Questions (NTQ): NTQC3.pdf
77	Unit C, Matter, Module 3, Assignment 4	
		Play with PhET simulation: Under Pressure
		Textbook End-of-Chapter Questions (Activity): Page 260: Answer 28.
		Textbook End-of-Chapter Questions (In Writing): Page 261: Answer 59.
78	Unit C, Matter, Module 3, Assignment 5	
		Study Section: 13.7 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
		Answer correctly at least 7 questions from the Homework Practice Session (HPS)
79	Unit C, Matter, Module 3, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 262: Answer 65, 73, 79, 85, 93.
80	Unit C, Matter, Module 4, Assignment 1	
		Study Sections: 14.1 - 14.3 (Videos + Textbook)
		Take corresponding video quizzes
81	Unit C, Matter, Module 4, Assignment 2	
		Perform Activity: Balloon Float
		See Doc Share to download the PDF: BalloonFloat.pdf
		Record your experience and observations in your field journal.
82	Unit C, Matter, Module 4, Assignment 3	
		Study Sections: 14.4 - 14.6 (Videos + Textbook)
		Take corresponding video quizzes
83	Unit C, Matter, Module 4,	

	Assignment 4	
		Download and work on Practice Pages from the Doc Share: CP14PP.pdf
		Download and study Next Time Questions (NTQ): NTQC4.pdf
84	Unit C, Matter, Module 4, Assignment 5	
		Textbook End-of-Chapter Questions (Activity): Page 278: Answer 31, 34.
		Textbook End-of-Chapter Questions (In Writing): Page 280: Answer 57, 67, 71, 79.
		Textbook End-of-Chapter Questions (In Writing): Page 281: Answer 100, 101.
85	Unit C, Matter, Module 4, Assignment 6	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
86	Unit C, Matter, Module 4, Assignment 7	
		Take your third exam downloadable from the Doc Share of the FYI page. Consider taking this exam with others, including friends and family, as spelled out within the directions.
87	Unit D, Heat, Module 1, Assignment 1	
		Study Sections: 15.1 - 15.5 (Videos + Textbook)
		Take corresponding video quizzes
88	Unit D, Heat, Module 1, Assignment 2	
		Perform Activity: Absolute Zero
		See Doc Share to download the PDF: CPAbsoluteZero.pdf
		Record your experience and observations in your field journal.
89	Unit D, Heat, Module 1, Assignment 3	
		Download and work on Practice Pages from the Doc Share: CP15PP.pdf
		Download and study Next Time Questions (NTQ): NTQD1Opt.pdf
90	Unit D, Heat, Module 1, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 298: Answer 41.
		Textbook End-of-Chapter Questions (In Writing): Page 299: Answer 43, 47, 53, 59, 67.

		Textbook End-of-Chapter Questions (In Writing): Page 300: Answer 79, 83.
		Textbook End-of-Chapter Questions (In Writing): Page 301: Answer 99.
91	Unit D, Heat, Module 1, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
92	Unit D, Heat, Module 2, Assignment 1	
		Study Sections: 16.1 - 16.4 (Videos + Textbook)
		Take corresponding video quizzes
93	Unit D, Heat, Module 2, Assignment 2	
		Perform Activity: Climate Hot Boxes
		See Doc Share to download the PDF: CPClimateHotBoxes.pdf
		Record your experience and observations in your field journal.
94	Unit D, Heat, Module 2, Assignment 3	
		Download and work on Practice Pages from the Doc Share: CP16PP.pdf
		Download and study Next Time Questions (NTQ): NTQD2Opt.pdf
95	Unit D, Heat, Module 2, Assignment 4	
		Take Module Reading Quiz
		Answer correctly at least 7 questions from the Homework Practice Session (HPS)
96	Unit D, Heat, Module 3, Assignment 1	
		Study Sections: 16.5 - 16.8 (Videos + Textbook)
		Take corresponding video quizzes
97	Unit D, Heat, Module 3, Assignment 2	
		Perform Activity: Solar Power
		See Doc Share to download the PDF: SolarPowerOpt.pdf
		Record your experience and observations in your field journal.
98	Unit D, Heat, Module 3, Assignment 3	
		Textbook End-of-Chapter Questions (In Writing): Page 317: Answer 41,

		45, 47.
		Textbook End-of-Chapter Questions (In Writing): Page 318: Answer 53, 59, 69, 79, 81.
		Textbook End-of-Chapter Questions (In Writing): Page 319: Answer 87.
99	Unit D, Heat, Module 3, Assignment 4	
		Take Module Reading Quiz
		Answer correctly at least 7 questions from the Homework Practice Session (HPS)
100	Unit D, Heat, Module 4, Assignment 1	
		Study Sections: 17.1 - 17.6 (Videos + Textbook)
		Take corresponding video quizzes
101	Unit D, Heat, Module 4, Assignment 2	
		Perform Activity: Cooling Your Oatmeal
		See Doc Share to download the PDF: CPOatmeal.pdf
		Record your experience and observations in your field journal.
102	Unit D, Heat, Module 4, Assignment 3	
		Download and work on Practice Pages from the Doc Share: CP17PP.pdf
		Download and study Next Time Questions (NTQ): NTQD4Opt.pdf
103	Unit D, Heat, Module 4, Assignment 4	
		Play with PhET simulation: States of Matter
		Textbook End-of-Chapter Questions (In Writing): Page 334: Answer 49, 55, 61, 65, 67.
104	Unit D, Heat, Module 4, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 7 questions from the Homework Practice Session (HPS)
		Textbook End-of-Chapter Questions (In Writing): Page 335: Answer 71, 79, 85, 95.
105	Unit D, Heat, Module 5, Assignment 1	
		Study Sections: 18.1 - 18.3 (Videos + Textbook)
		Take corresponding video quizzes

		Note: Chapter 18 is optional. Feel free to study all or part or none of this chapter. If you choose to skip Chapter 18, you'll note that Chapter 18 related questions are marked within the unit exam to allow you to skip these questions in the unit exam.
106	Unit D, Heat, Module 5, Assignment 2	
		Study Sections: 18.4 - 18.5 (Videos + Textbook)
		Take corresponding video quizzes
		Download and work on Practice Pages from the Doc Share: CP18PP.pdf
107	Unit D, Heat, Module 5, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
108	Unit D, Heat, Module 6, Assignment 1	
		Study Sections: 18.6 - 18.8 (Videos + Textbook)
		Take corresponding video quizzes
109	Unit D, Heat, Module 6, Assignment 2	
		Perform Activity: Entropy Pennies
		See Doc Share to download the PDF: CPEntropy.pdf
		Record your experience and observations in your field journal.
110	Unit D, Heat, Module 6, Assignment 3	
		Textbook End-of-Chapter Questions (In Writing): Page 352: Answer 43, 45, 57, 61, 63.
		Textbook End-of-Chapter Questions (In Writing): Page 353: Answer 81, 85.
111	Unit D, Heat, Module 6, Assignment 4	
		Take Module Reading Quiz
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
112	Unit D, Heat, Module 6, Assignment 5	
		Take your fourth exam downloadable from the Doc Share of the FYI page. Consider taking this exam with others, including friends and family, as spelled out within the directions.
113	Unit E, Sound, Module 1, Assignment 1	



		Study Sections: 19.1 - 19.4 (Videos + Textbook)
		Take corresponding video quizzes
114	Unit E, Sound, Module 1, Assignment 2	
		Play with PhET simulation: Waves on a String
		The practice pages for chapters 19 and 20 are placed together in the file: PPUntE.pdf. Work on these at your leisure through the next few modules.
		Download and study Next Time Questions (NTQ): NTQE1.pdf
115	Unit E, Sound, Module 1, Assignment 3	
		Take Module Reading Quiz
		Answer correctly at least 7 questions from the Homework Practice Session (HPS)
116	Unit E, Sound, Module 2, Assignment 1	
		Study Sections: 19.5 - 19.8 (Videos + Textbook)
		Take corresponding video quizzes
117	Unit E, Sound, Module 2, Assignment 2	
		Perform Activity: Doppler Effect (Moving Smart Phone)
		See Doc Share to download the PDF: CPDoppler.pdf
		Record your experience and observations in your field journal.
118	Unit E, Sound, Module 2, Assignment 3	
		Play with PhET simulation: Wave Interference
		Textbook End-of-Chapter Questions (In Writing): Page 370: Answer 37.
		Textbook End-of-Chapter Questions (In Writing): Page 371: Answer 49, 51, 57.
119	Unit E, Sound, Module 2, Assignment 4	
		Download and study Next Time Questions (NTQ): NTQE2.pdf
		Textbook End-of-Chapter Questions (In Writing): Page 372: Answer 61, 69, 75.
120	Unit E, Sound, Module 2, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 7 questions from the Homework Practice Session (HPS)

121	Unit E, Sound, Module 3, Assignment 1	
		Study Sections: 20.1 - 20.4 (Videos + Textbook)
		Take corresponding video quizzes
122	Unit E, Sound, Module 3, Assignment 2	
		Take Module Reading Quiz
		Answer correctly at least 7 questions from the Homework Practice Session (HPS)
123	Unit E, Sound, Module 4, Assignment 1	
		Study Sections: 20.5 - 20.8 (Videos + Textbook)
		Take corresponding video quizzes
124	Unit E, Sound, Module 4, Assignment 2	
		Textbook End-of-Chapter Questions (Activity): Page 388: Try activity 32 seeing light bounce off a loudspeaker. Use your smart phone or a pen laser for the light source.
		Textbook End-of-Chapter Questions (In Writing): Page 389: Answer 45, 49, 55, 59.
125	Unit E, Sound, Module 4, Assignment 3	
		Play with PhET simulation: Waves Intro
		Textbook End-of-Chapter Questions (In Writing): Page 390: Answer 67, 73, 77, 83.
126	Unit E, Sound, Module 4, Assignment 4	
		Take Module Reading Quiz
		Answer correctly at least 7 questions from the Homework Practice Session (HPS)
127	Unit E, Sound, Module 5, Assignment 1	
		Study Sections: 21.1 - 21.5 (Videos + Textbook)
		Take corresponding video quizzes
128	Unit E, Sound, Module 5, Assignment 2	
		Perform Activity: Kitchen Music
		See Doc Share to download the PDF: KitchenMusicOpt.pdf
		Record your experience and observations in your field journal.

129	Unit E, Sound, Module 5, Assignment 3	
		Textbook End-of-Chapter Questions (In Writing): Page 402: Answer 33, 35, 43, 47, 55.
		Textbook End-of-Chapter Questions (In Writing): Page 403: Answer 57, 59, 63.
130	Unit E, Sound, Module 5, Assignment 4	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
131	Unit E, Sound, Module 5, Assignment 5	
		Take your fifth exam downloadable from the Doc Share of the FYI page. Consider taking this exam with others, including friends and family, as spelled out within the directions.
132	Unit F, Electromagnetism, Module 1, Assignment 1	
		Study Sections: 22.1 - 22.5 (Videos + Textbook)
		Take corresponding video quizzes
133	Unit F, Electromagnetism, Module 1, Assignment 2	
		Play with PhET simulation: Charges and Fields
		Perform Activity: Water Bender
		See Doc Share to download the PDF: WaterBenderOpt.pdf
		Record your experience and observations in your field journal.
134	Unit F, Electromagnetism, Module 1, Assignment 3	
		Study Sections: 22.6 - 22.9 (Videos + Textbook)
		Take corresponding video quizzes
135	Unit F, Electromagnetism, Module 1, Assignment 4	
		Play with PhET simulation: Static Electricity
		Download and work on Practice Pages from the Doc Share: CP22PP.pdf
		Download and study Next Time Questions (NTQ): NTQF1.pdf
136	Unit F, Electromagnetism, Module 1, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 427: Answer 51, 55, 61.

		Textbook End-of-Chapter Questions (In Writing): Page 428: Answer 67, 75, 79, 81, 89, 99.
137	Unit F, Electromagnetism, Module 1, Assignment 6	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
138	Unit F, Electromagnetism, Module 2, Assignment 1	
		Study Sections: 23.1 - 23.4 (Videos + Textbook)
		Take corresponding video quizzes
139	Unit F, Electromagnetism, Module 2, Assignment 2	
		Perform Activity: Not a Shocking Experience
		See Doc Share to download the PDF: CPNotShock.pdf
		Record your experience and observations in your field journal.
140	Unit F, Electromagnetism, Module 2, Assignment 3	
		Play with PhET simulation: John Travoltage
		Download and work on Practice Pages from the Doc Share: CP23PP.pdf
		Download and study Next Time Questions (NTQ): NTQF2.pdf
141	Unit F, Electromagnetism, Module 2, Assignment 4	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
142	Unit F, Electromagnetism, Module 3, Assignment 1	
		Study Sections: 23.5 - 23.9 (Videos + Textbook)
		Take corresponding video quizzes
143	Unit F, Electromagnetism, Module 3, Assignment 2	
		Play with PhET simulation: Circuit Construction
		Download and study Next Time Questions (NTQ): NTQF3.pdf
		Textbook End-of-Chapter Questions (In Writing): Page 448: Answer 53, 55.
144	Unit F, Electromagnetism, Module 3, Assignment 3	

		Perform Activity: Bateriaes and Bulbs
		See Doc Share to download the PDF: BatteriesBulbs.pdf
		Record your experience and observations in your field journal.
145	Unit F, Electromagnetism, Module 3, Assignment 4	
		Play with PhET simulation: Ohm's Law
		Continue with any remaining Practice Page worksheets for Chapter 23.
		Textbook End-of-Chapter Questions (In Writing): Page 449: Answer 63, 67.
146	Unit F, Electromagnetism, Module 3, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 449: Answer 71, 75, 79, 83.
		Textbook End-of-Chapter Questions (In Writing): Page 450: Answer 91, 97, 99, 103.
147	Unit F, Electromagnetism, Module 3, Assignment 6	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
148	Unit F, Electromagnetism, Module 4, Assignment 1	
		Study Sections: 24.1 - 24.5 (Videos + Textbook)
		Take corresponding video quizzes
149	Unit F, Electromagnetism, Module 4, Assignment 2	
		Study Sections: 24.6 - 24.9 (Videos + Textbook)
		Take corresponding video quizzes
150	Unit F, Electromagnetism, Module 4, Assignment 3	
		Perform Activity: Simple Motor
		See Doc Share to download the PDF: Motor.pdf
		Record your experience and observations in your field journal.
151	Unit F, Electromagnetism, Module 4, Assignment 4	
		Download and work on Practice Pages from the Doc Share: CP2425PP.pdf
		Download and study Next Time Questions (NTQ): NTQF4.pdf

152	Unit F, Electromagnetism, Module 4, Assignment 5	
		Textbook End-of-Chapter Questions (Activity): Page 467: Activity 31 (Magnetic Dip)
		Textbook End-of-Chapter Questions (In Writing): Page 467: Answer 35, 37, 49, 53.
		Textbook End-of-Chapter Questions (In Writing): Page 468: Answer 61, 65, 69.
153	Unit F, Electromagnetism, Module 4, Assignment 6	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
154	Unit F, Electromagnetism, Module 5, Assignment 1	
		Study Sections: 25.1 - 25.4 (Videos + Textbook)
		Take corresponding video quizzes
		Note: Chapter 25 is optional. Feel free to study all or part or none of this chapter. If you choose to skip Chapter 25, you'll note that Chapter 25 related questions are marked within the unit exam to allow you to skip these questions in the unit exam.
155	Unit F, Electromagnetism, Module 5, Assignment 2	
		Study Sections: 25.5 - 25.8 (Videos + Textbook)
		Take corresponding video quizzes
156	Unit F, Electromagnetism, Module 5, Assignment 3	
		Play with PhET simulation: Faraday's Law
		Optional: Follow the directions in the "Faraday's EM Lab.pdf" document found in the Doc Share.
		Textbook End-of-Chapter Questions (In Writing): Page 482: Answer 49, 59, 65.
157	Unit F, Electromagnetism, Module 5, Assignment 4	
		Download and study Next Time Questions (NTQ): NTQF5.pdf
		Textbook End-of-Chapter Questions (In Writing): Page 483: Answer 67, 73, 77, 81, 85.
158	Unit F, Electromagnetism, Module 5, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice

		Session (HPS)
159	Unit F, Electromagnetism, Module 5, Assignment 6	
		Take your sixth unit exam downloadable from the Doc Share of the FYI page. Ideally you'll be able to take this exam with others, including friends and family, as spelled out within the directions.
160	Unit G, Light, Module 1, Assignment 1	
		Study Sections: 26.1 - 26.4 (Videos + Textbook)
		Take corresponding video quizzes
161	Unit G, Light, Module 1, Assignment 2	
		Study Sections: 26.5 - 26.6 (Videos + Textbook)
		Take corresponding video quizzes
162	Unit G, Light, Module 1, Assignment 3	
		Perform Activity: Speed of Light
		See Doc Share to download the PDF: CPSPeedyLight.pdf.
		Record your experience and observations in your field journal.
163	Unit G, Light, Module 1, Assignment 4	
		Download and work on Practice Pages from the Doc Share: CPPP26.pdf
		Download and study Next Time Questions (NTQ): NTQG1.pdf
164	Unit G, Light, Module 1, Assignment 5	
		Revisit the PhET simulation: Waves Intro
		Textbook End-of-Chapter Questions (In Writing): Page 501: Answer 37, 43, 47, 51.
165	Unit G, Light, Module 1, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 502: Answer 57, 63, 69.
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
166	Unit G, Light, Module 2, Assignment 1	
		Study Sections: 27.1 - 27.5 (Videos + Textbook)
		Take corresponding video quizzes

167	Unit G, Light, Module 2, Assignment 2	
		Study Sections: 27.6 - 27.9 (Videos + Textbook)
		Take corresponding video quizzes
168	Unit G, Light, Module 2, Assignment 3	
		Download and work on Practice Pages from the Doc Share: CPPP27.pdf
		Download and study Next Time Questions (NTQ): NTQG2Opt.pdf
169	Unit G, Light, Module 2, Assignment 4	
		Play with PhET simulation: Color Vision
		Optional: Follow the directions in the PixelPeeping.pdf document found in the Doc Share.
		Textbook End-of-Chapter Questions (In Writing): Page 517: Answer 35, 41, 51, 53, 63.
170	Unit G, Light, Module 2, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 518: Answer 65, 77.
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
171	Unit G, Light, Module 3, Assignment 1	
		Study Sections: 28.1 - 28.4 (Videos + Textbook)
		Take corresponding video quizzes
172	Unit G, Light, Module 3, Assignment 2	
		Study Sections: 28.5 - 28.8 (Videos + Textbook)
		Take corresponding video quizzes
173	Unit G, Light, Module 3, Assignment 3	
		Perform Activity: Bending Laser or Sunballs or Mirrors (Pick one or more)
		See Doc Share to download the PDFs: CPBendingLaser.pdf, SunballsOpt.pdf, MirrorOpt.pdf.
		Record your experience and observations in your field journal.
174	Unit G, Light, Module 3, Assignment 4	



		Download and work on Practice Pages from the Doc Share: CPPP28.pdf
		Download and study Next Time Questions (NTQ): NTQG3Opt2.pdf
175	Unit G, Light, Module 3, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 540: Answer 43, 45.
		Textbook End-of-Chapter Questions (In Writing): Page 541: Answer 55, 59, 71.
		Textbook End-of-Chapter Questions (In Writing): Page 542: Answer 75, 83, 87.
176	Unit G, Light, Module 3, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 543: Answer 97, 103.
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
177	Unit G, Light, Module 4, Assignment 1	
		Study Sections: 29.5, 30.1, 30.2, 30.4, 30.6, 30.8 (Videos + Textbook)
		Take corresponding video quizzes
		Note: This module containing select sections from chapters 29 and 30 is optional. Feel free to study all or part or none of this module. If you choose to skip this module, you'll note that the related questions are marked within the unit exam to allow you to skip these questions in the unit exam.
178	Unit G, Light, Module 4, Assignment 2	
		Perform Activity: Sweet Polarization
		See Doc Share to download the PDFs: CPPolarized.pdf
		Record your experience and observations in your field journal.
179	Unit G, Light, Module 4, Assignment 3	
		Download and work on Practice Pages from the Doc Share: CPPP29.pdf
		Download and study Next Time Questions (NTQ): NTQG4Opt.pdf
180	Unit G, Light, Module 4, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 560: Answer 15, 19.
		Textbook End-of-Chapter Questions (In Writing): Page 561: Answer 51, 55, 59.

		Textbook End-of-Chapter Questions (In Writing): Page 579: Answer 33, 39, 49, 53, 55.
181	Unit G, Light, Module 4, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 580: Answer 59, 71, 73
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
182	Unit G, Light, Module 4, Assignment 6	
		Take your seventh unit exam downloadable from the Doc Share of the FYI page. Ideally you'll be able to take this exam with others, including friends and family, as spelled out within the directions.
183	Unit H, Modern Physics, Module 1, Assignment 1	
		Study Sections: 32.1 - 32.4 (Videos + Textbook)
		Take corresponding video quizzes
		Note: Chapter 32 is optional as are all the remaining chapters of this course, except to complete the course, you'll need to have accumulated about 180 days of study. If you skipped none of the previous chapters you have just reached this goal. Congratulations! You'll find a certificate awaits you in the very last Doc Share. Otherwise, you still have some time to fill. For this we are providing chapters 32 - 36 to select from. Note: You'll find many questions on the Unit H exam with each question tagged to its chapter number. This is so that you can customized this unit exam to what you actually covered.
184	Unit H, Modern Physics, Module 1, Assignment 2	
		Perform Activity: Rutherford Experiment
		See Doc Share to download the PDFs: CPRutherford.pdf
		Record your experience and observations in your field journal.
185	Unit H, Modern Physics, Module 1, Assignment 3	
		Study Sections: 32.5 - 32.7 (Videos + Textbook)
		Take corresponding video quizzes
		Download and study Next Time Questions (NTQ): NTQH1.pdf
186	Unit H, Modern Physics, Module 1, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 613: Answer 5, 11, 15, 23, 27, 31.
		Textbook End-of-Chapter Questions (In Writing): Page 614: Answer 43, 45.

187	Unit H, Modern Physics, Module 1, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
188	Unit H, Modern Physics, Module 2, Assignment 1	
		Study Sections: 33.1 - 33.5 (Videos + Textbook)
		Take corresponding video quizzes
189	Unit H, Modern Physics, Module 2, Assignment 2	
		Study Sections: 33.6 - 33.8 (Videos + Textbook)
		Take corresponding video quizzes
		Download and study Next Time Questions (NTQ): NTQH2.pdf
190	Unit H, Modern Physics, Module 2, Assignment 3	
		Perform Activity: Sweet Half Life
		See Doc Share to download the PDFs: CPHalfLife.pdf
		Record your experience and observations in your field journal.
191	Unit H, Modern Physics, Module 2, Assignment 4	
		Download and work on Practice Pages from the Doc Share: CPPP33.pdf
		Download and study Next Time Questions (NTQ): RadioactivityNTQ.pdf
192	Unit H, Modern Physics, Module 2, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 634: Answer 35, 37, 39.
		Textbook End-of-Chapter Questions (In Writing): Page 635: Answer 45, 47, 51, 57, 73.
		Textbook End-of-Chapter Questions (In Writing): Page 636: Answer 81, 83.
193	Unit H, Modern Physics, Module 2, Assignment 6	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
194	Unit H, Modern Physics, Module 3, Assignment 1	
		Study Sections: 34.1 - 34.4 (Videos + Textbook)

		Take corresponding video quizzes
195	Unit H, Modern Physics, Module 3, Assignment 2	
		Study Sections: 34.5 - 34.7 (Videos + Textbook)
		Take corresponding video quizzes
196	Unit H, Modern Physics, Module 3, Assignment 3	
		Download and study the article: ThoriumReactors.pdf
		Research the web for the latest information on thorium nuclear reactors.
197	Unit H, Modern Physics, Module 3, Assignment 4	
		Download and work on Practice Pages from the Doc Share: CPPP34.pdf
		Download and study Next Time Questions (NTQ): FissionNTQ.pdf
		Download and study Next Time Questions (NTQ): NTQH3.pdf
198	Unit H, Modern Physics, Module 3, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 654: Answer 41, 45, 49.
		Textbook End-of-Chapter Questions (In Writing): Page 655: Answer 51, 57, 61, 65.
199	Unit H, Modern Physics, Module 3, Assignment 6	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
200	Unit H, Modern Physics, Module 4, Assignment 1	
		Study Sections: 36.1 - 36.4 (Videos + Textbook)
		Take corresponding video quizzes
		Note: Chapter 36 has intentionally been placed before Chapter 35. Why? Because of the two, the content of chapter 36 is more fundamental.
201	Unit H, Modern Physics, Module 4, Assignment 2	
		Study Sections: 36.5 - 36.7 (Videos + Textbook)
		Take corresponding video quizzes
202	Unit H, Modern Physics, Module 4, Assignment 3	
		Download and simply review Chapter35 Practice Page, CPPP35.pdf,

		which you can work on in the next module.
		Download and study Next Time Questions (NTQ): Relativity.pdf
		Textbook End-of-Chapter Questions (In Writing): Page 698: Answer 23, 27.
		Textbook End-of-Chapter Questions (In Writing): Page 699: Answer 41, 43, 45.
203	Unit H, Modern Physics, Module 4, Assignment 4	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
204	Unit H, Modern Physics, Module 5, Assignment 1	
		Study Sections: 35.1 - 35.4 (Videos + Textbook)
		Take corresponding video quizzes
205	Unit H, Modern Physics, Module 5, Assignment 2	
		Download and work on Practice Pages from the Doc Share: CPS2804aPP.pdf
		Download and work on Practice Pages from the Doc Share: CPPP35.pdf (from previous module).
206	Unit H, Modern Physics, Module 5, Assignment 3	
		Study Sections: 35.5 - 35.9 (Videos + Textbook)
		Take corresponding video quizzes
207	Unit H, Modern Physics, Module 5, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 684: Answer 49, 51, 59, 63, 69, 73.
		Textbook End-of-Chapter Questions (In Writing): Page 685: Answer 79, 81, 83.
208	Unit H, Modern Physics, Module 5, Assignment 5	
		Take Module Reading Quiz
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
209		
		Take your eighth unit exam downloadable from the Doc Share of the FYI page. Ideally you'll be able to take this exam with others, including friends and family, as spelled out within the directions.

210		
		Congratulations for your great learning efforts!
		Having made it through this material you are well suited to digging deeper into the wonders to this natural universe in which we are blessed to live.
		But for now, download the certificate of completion you'll find in the Doc Share. Print it out and have it signed by your mentor.
		Post this certificate as a mark of your achievement.
		Then toss this certificate into the recycle bin in recognition that your real achievement lies inside of you.