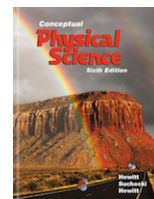




Conceptual Physical Science PAC

Lesson Planner

One Year – Physics, Chemistry, Astronomy



For an automated calendar using this same information, visit HomeschoolPlanet.com.

Day	Module Assignments	Action Items
1	Unit A, Mechanics, Module 1, Assignment 1	
		Note: This planner is specific to the sixth edition of Conceptual Physical Science, CPS6e. Topics: Physics, Astronomy, Chemistry (PAC)
		After purchasing your CPS 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.
		Obtain a composition book into which you can record your observations and answers to questions.
2	Unit A, Mechanics, Module 1, Assignment 2	
		Read the "How To Study Effectively" document from the Doc Share.
		Study the Prologue in the textbook, pages 1 - 10.
3	Unit A, Mechanics, Module 1, Assignment 3	
		Textbook End-of-Chapter Questions (In Writing): Answer odd numbered "Reading Check" questions (page 11).
		Note: Answers to all odd-numbered questions are in the back of the textbook.
4	Unit A, Mechanics, Module 1, Assignment 4	
		Study Sections: 1.1 - 1.5 (Videos + Textbook)
		Take corresponding video quizzes
5	Unit A, Mechanics, Module 1, Assignment 5	
		Perform Activity: Rubber Band Balance



		See Doc Share to download the PDF
6	Unit A, Mechanics, Module 1, Assignment 6	
		Study Sections: 1.6 - 1.9 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
		Study Newton First NTQ (Next-time Questions)
7	Unit A, Mechanics, Module 1, Assignment 7	
		Download and work on Practice Pages from the Doc Share: PhysicsPP01a
		Note: These worksheets are adapted from Conceptual Physics, thus the chapter numbers and titles will not match CPS. But that's OK.
8	Unit A, Mechanics, Module 1, Assignment 8	
		Download and work on Practice Pages from the Doc Share: PhysicsPP01b. Only pages 7 to 10.
		Note: Answers are found in a separate document in the Doc Share (PPans1to2.pdf).
9	Unit A, Mechanics, Module 1, Assignment 9	
		Textbook End-of-Chapter Questions (Activities) 31 and 33 (page 32).
		Textbook End-of-Chapter Questions (In Writing): Page 32: Answer 35, 39.
		Textbook End-of-Chapter Questions (In Writing): Page 33: Answer 43, 51.
		Textbook End-of-Chapter Questions (In Writing): Page 34: Answer 59, 65, 73.
		Textbook End-of-Chapter Questions (In Writing): Page 35: Answer 77, 85, 89, 91.
10	Unit A, Mechanics, Module 1, Assignment 10	
		Textbook End-of-Chapter Questions (In Writing): Page 36: Answer 97, 104, 107.
		Note: Question 104 is such an awesome question, but you won't find the answer in the back of the book.
		Note: You will, however, find this very question on the first unit exam after which the answer will be revealed.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)

11	Unit A, Mechanics, Module 2, Assignment 1	
		Study FYI Page Unit A, Module 2
		Study Sections: 2.1 - 2.2 (Videos + Textbook)
		Take corresponding video quizzes
		Practice Pages from Module 1 Doc Share: PhysicsPP01b. Pages 11 and 12.
12	Unit A, Mechanics, Module 2, Assignment 2	
		Download and work on Practice Pages from the Doc Share: PhysicsPP02Opt. Pages 13 - 19.
		Download and work on Practice Pages from the Doc Share: PhysicsPP02Opt. Page 20.
13	Unit A, Mechanics, Module 2, Assignment 3	
		Study Sections: 2.3 - 2.4 (Videos + Textbook)
		Take corresponding video quizzes
		Play with PhET simulation: Forces and Motion
		Optional: L-Pushing directions for PhET simulation: Forces and Motion
14	Unit A, Mechanics, Module 2, Assignment 4	
		Download and work on Practice Pages from the Doc Share: PhysicsPP02Opt. Pages 21 - 22.
15	Unit A, Mechanics, Module 2, Assignment 5	
		Study Section: 2.5 (Videos + Textbook)
		Take corresponding video quizzes
		Study Newton Second NTQ (Next-time Questions)
		Study Newton Third NTQ (Next-time Questions)
16	Unit A, Mechanics, Module 2, Assignment 6	
		Perform Activity: Catapult
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
17	Unit A, Mechanics, Module 2, Assignment 7	
		Textbook End-of-Chapter Questions (Activities) 33 and 34 (page 55).

		Textbook End-of-Chapter Questions (In Writing): Page 55: Answer 37, 41.
18	Unit A, Mechanics, Module 2, Assignment 8	
		Perform Activity: Peanut Butter Jar
19	Unit A, Mechanics, Module 2, Assignment 9	
		Textbook End-of-Chapter Questions (In Writing): Page 56: Answer 49, 59.
		Textbook End-of-Chapter Questions (In Writing): Page 57: Answer 63, 71, 73, 79.
		Textbook End-of-Chapter Questions (In Writing): Page 58: Answer 83, 93.
20	Unit A, Mechanics, Module 3, Assignment 1	
		Study FYI Page Unit A, Module 3
		Study Sections: 3.1 - 3.2 (Videos + Textbook)
		Take corresponding video quizzes
21	Unit A, Mechanics, Module 3, Assignment 2	
		Perform Activity: Bounce
22	Unit A, Mechanics, Module 3, Assignment 3	
		Study Sections: 3.3 - 3.4 (Videos + Textbook)
		Take corresponding video quizzes
23	Unit A, Mechanics, Module 3, Assignment 4	
		Download and work on Practice Pages from the Doc Share: PhysicsPP03 Pages 31 - 33.
24	Unit A, Mechanics, Module 3, Assignment 5	
		Download and work on Practice Pages from the Doc Share: PhysicsPP03 Pages 36 - 38.
		Download and work on Practice Pages from the Doc Share: PhysicsPP03 Pages 39 - 41.
25	Unit A, Mechanics, Module 3, Assignment 6	
		Study Sections: 3.5 - 3.7 (Videos + Textbook)
		Take corresponding video quizzes

26	Unit A, Mechanics, Module 3, Assignment 7	
		Perform Activity: Easy Lifting
27	Unit A, Mechanics, Module 3, Assignment 8	
		Study Sections: 3.8 - 3.9 (Videos + Textbook)
		Take corresponding video quizzes
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
28	Unit A, Mechanics, Module 3, Assignment 9	
		Take Module Reading Quiz
		Play with PhET simulation: Energy Skate Park
		Study PhysicsNTQ3Opt.pdf (Next-time Questions)
29	Unit A, Mechanics, Module 3, Assignment 10	
		Textbook End-of-Chapter Questions (Activities) 33 (page 84).
		Textbook End-of-Chapter Questions (In Writing): Page 85: Answer 39, 47, 49, 57.
		Textbook End-of-Chapter Questions (In Writing): Page 86: Answer 63, 71.
		Textbook End-of-Chapter Questions (In Writing): Page 87: Answer 73, 77, 83, 85.
30	Unit A, Mechanics, Module 3, Assignment 11	
		Textbook End-of-Chapter Questions (In Writing): Page 88: Answer 91,93, 97, 103.
		Textbook End-of-Chapter Questions (In Writing): Page 89: Answer 113.
		Textbook End-of-Chapter Questions (In Writing): Page 90: Answer 129.
31	Unit A, Mechanics, Module 4, Assignment 1	
		Study FYI Page Unit A, Module 4
		Study Sections: 4.1 - 4.4 (Videos + Textbook)
		Take corresponding video quizzes
32	Unit A, Mechanics, Module 4, Assignment 2	
		Download and work on Practice Pages from the Doc Share: PhysicsPP04L.pdf, Pages 52 - 54.

33	Unit A, Mechanics, Module 4, Assignment 3	
		Perform Activity: Ball Drop
		Study GravityNTQ (Next-time Questions)
34	Unit A, Mechanics, Module 4, Assignment 4	
		Study Sections: 4.5 - 4.9 (Videos + Textbook)
		Take corresponding video quizzes
35	Unit A, Mechanics, Module 4, Assignment 5	
		Perform Activity: Bottle Drop
36	Unit A, Mechanics, Module 4, Assignment 6	
		Take Module Reading Quiz
		Play with PhET simulation: Gravity and Orbits
		Download and work on Practice Pages from the Doc Share: PhysicsPP04L.pdf, Pages 56 - 61.
37	Unit A, Mechanics, Module 4, Assignment 7	
		Textbook End-of-Chapter Questions (Activities) 35 (page 115).
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
38	Unit A, Mechanics, Module 4, Assignment 8	
		Textbook End-of-Chapter Questions (In Writing): Page 115: Answer 37, 41, 47.
		Textbook End-of-Chapter Questions (In Writing): Page 116: Answer 51, 59.
		Textbook End-of-Chapter Questions (In Writing): Page 117: Answer 61, 66, 73.
39	Unit A, Mechanics, Module 4, Assignment 9	
		Textbook End-of-Chapter Questions (In Writing): Page 117: Answer 75, 79.
		Textbook End-of-Chapter Questions (In Writing): Page 118: Answer 83, 87, 99.
		Textbook End-of-Chapter Questions (In Writing): Page 119: Answer 115.
		Textbook End-of-Chapter Questions (In Writing): Page 120: Answer 123, 129.

40	Unit A, Mechanics, Module 4, Assignment 10	
		Take your first 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.
41	Unit B, Fluids and Energy, Module 1, Assignment 1	
		Study FYI Page Unit B, Module 1
		Study Sections: 5.1 - 5.2 (Videos + Textbook)
		Take corresponding video quizzes
42	Unit B, Fluids and Energy, Module 1, Assignment 2	
		Perform Activity: Spout Altitude
		Play with PhET simulation: Under Pressure
43	Unit B, Fluids and Energy, Module 1, Assignment 3	
		Download and work on Practice Pages from the Doc Share: PhysicsPP05.pdf, Pages 66 - 69.
44	Unit B, Fluids and Energy, Module 1, Assignment 4	
		Study Sections: 5.3 - 5.4 (Videos + Textbook)
		Take corresponding video quizzes
		Take Unit B Module 1 Reading Quiz
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
45	Unit B, Fluids and Energy, Module 2, Assignment 1	
		Study FYI Page Unit B, Module 2
		Study Sections: 5.5 - 5.9 (Videos + Textbook)
		Take corresponding video quizzes
46	Unit B, Fluids and Energy, Module 2, Assignment 2	
		Take Module B2 Reading Quiz
		Perform Activity: Buoyant Balloons
		Study NTQChap05.pdf (Next-time Questions)
47	Unit B, Fluids and Energy, Module 2, Assignment 3	
		Textbook End-of-Chapter Questions (Activities) 31, 37 (page 143).
		Textbook End-of-Chapter Questions (In Writing): Page 145: Answer 67, 75.
		Textbook End-of-Chapter Questions (In Writing): Page 146: Answer 83, 91, 95, 101, 105.

48	Unit B, Fluids and Energy, Module 2, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 146: Answer 109, 113, 117, 125.
		Textbook End-of-Chapter Questions (In Writing): Page 147: Answer 129.
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
49	Unit B, Fluids and Energy, Module 3, Assignment 1	
		Study FYI Page Unit B, Module 3
		Study Sections: 6.1 - 6.3 (Videos + Textbook)
		Take corresponding video quizzes
50	Unit B, Fluids and Energy, Module 3, Assignment 2	
		Download and work on Practice Pages from the Doc Share: PhysicsPP06.pdf, Page 72.
		Perform Activity: Absolute Zero
51	Unit B, Fluids and Energy, Module 3, Assignment 3	
		Study Sections: 6.7 - 6.8 (Videos + Textbook)
		Take corresponding video quizzes
52	Unit B, Fluids and Energy, Module 3, Assignment 4	
		Study ThemroNTQ.pdf (Next-time Questions) The NTQs labeled: Temperature, Heat, and Expansion.
		Download and work on Practice Pages from the Doc Share: PhysicsPP06.pdf, Page 73, 74.
53	Unit B, Fluids and Energy, Module 3, Assignment 5	
		Study Section: 6.9 (Videos + Textbook)
		Take corresponding video quizzes
54	Unit B, Fluids and Energy, Module 3, Assignment 6	
		Take Module Reading Quiz
		Play with PhET simulation: States of Matter
		Textbook End-of-Chapter Questions (In Writing): Page 164: Answer 39.
55	Unit B, Fluids and Energy, Module 3, Assignment 7	
		Textbook End-of-Chapter Questions (In Writing): Page 165: Answer 43, 47, 51, 63, 65.
		Textbook End-of-Chapter Questions (In Writing): Page 166: Answer 73, 79, 89, 93.

		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
56	Unit B, Fluids and Energy, Module 4, Assignment 1	
		Study FYI Page Unit B, Module 4
		Study Section: 7.5 (Videos + Textbook)
		Take corresponding video quizzes
57	Unit B, Fluids and Energy, Module 4, Assignment 2	
		Study Sections: 7.6 - 7.7 (Videos + Textbook)
		Take corresponding video quizzes
		Study CPS07NTQ.pdf (Next-time Questions)
58	Unit B, Fluids and Energy, Module 4, Assignment 3	
		Study Sections: 7.8 - 7.9 (Videos + Textbook)
		Take corresponding video quizzes
59	Unit B, Fluids and Energy, Module 4, Assignment 4	
		Take Module Reading Quiz
		Textbook End-of-Chapter Questions (Activities) 38 (page 186).
60	Unit B, Fluids and Energy, Module 4, Assignment 5	
		Perform Activity: Climate Hot Boxes
61	Unit B, Fluids and Energy, Module 4, Assignment 6	
		Download and work on Practice Pages from the Doc Share: PhysicsPP07.pdf, Page 72.
		Textbook End-of-Chapter Questions (In Writing): Page 186: Answer 41, 49.
		Textbook End-of-Chapter Questions (In Writing): Page 187: Answer 61, 69.
62	Unit B, Fluids and Energy, Module 4, Assignment 7	
		Textbook End-of-Chapter Questions (In Writing): Page 188: Answer 73, 81, 85, 89, 91, 103.
		Textbook End-of-Chapter Questions (In Writing): Page 189: Answer 121, 125.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
63	Unit B, Fluids and Energy, Module 5, Assignment 1	
		Study FYI Page Unit B, Module 5
		Study Section: 8.1 (Videos + Textbook)

		Take corresponding video quizzes
64	Unit B, Fluids and Energy, Module 5, Assignment 2	
		Play with PhET simulation: Charges and Fields
		Play with PhET simulation: Balloons and Static Electricity
65	Unit B, Fluids and Energy, Module 5, Assignment 3	
		Study Sections: 8.2 - 8.3 (Videos + Textbook)
		Take corresponding video quizzes
66	Unit B, Fluids and Energy, Module 5, Assignment 4	
		Perform Activity: Water Bender
		Download and work on Practice Pages from the Doc Share: PhysicsPP08a.pdf, Page 89.
67	Unit B, Fluids and Energy, Module 5, Assignment 5	
		Textbook End-of-Chapter 8 Questions (In Writing): Answer "Reading Check" questions 1, 3, 5, 7, 9.
		Study CPSNTQ08a.pdf (Next-time Questions)
68	Unit B, Fluids and Energy, Module 5, Assignment 6	
		Textbook End-of-Chapter 8 Questions (In Writing): Page 215: Answer 41, 43.
		Textbook End-of-Chapter 8 Questions (In Writing): Page 217: Answer 73, 79, 85.
69	Unit B, Fluids and Energy, Module 5, Assignment 7	
		Study Sections: 9.4 - 9.5 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
70	Unit B, Fluids and Energy, Module 5, Assignment 8	
		Perform Activity: Motor
71	Unit B, Fluids and Energy, Module 5, Assignment 9	
		Textbook End-of-Chapter 9 Questions (In Writing): Answer "Reading Check" questions 9, 11, 13, 15, 17.
		Textbook End-of-Chapter 9 Questions (In Writing): Page 239: Answer 61, 65, 67.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
72	Unit B, Fluids and Energy, Module 5, Assignment 10	
		Take the Unit B 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.
73	Unit C, Waves and Atoms, Module 1, Assignment 1	
		Study FYI Page Unit C, Module 1
		Study Sections: 10.1 - 10.4 (Videos + Textbook)
		Take corresponding video quizzes
74	Unit C, Waves and Atoms, Module 1, Assignment 2	
		Perform Activity: Swing Thing
		Play with PhET simulation: Waves on a String
		Perform Activity: Kitchen Music
75	Unit C, Waves and Atoms, Module 1, Assignment 3	
		Study Sections: 10.5 - 10.7 (Videos + Textbook)
		Take corresponding video quizzes
76	Unit C, Waves and Atoms, Module 1, Assignment 5	
		Study Sections: 10.8 - 10.10 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
77	Unit C, Waves and Atoms, Module 1, Assignment 4	
		Perform Activity: Moving Smart Phone
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
78	Unit C, Waves and Atoms, Module 1, Assignment 5	
		Download and work on Practice Pages from the Doc Share: PhysicsPP10.pdf, Pages 83 - 88.
79	Unit C, Waves and Atoms, Module 1, Assignment 6	
		Study SoundNTQ.pdf (Next-time Questions)
		Study CPSNTQ10.pdf (Next-time Questions)
		Textbook End-of-Chapter Questions (Activities) 33, 39 (page 264).
		Textbook End-of-Chapter Questions (In Writing): Page 264: Answer 41, 45.
80	Unit C, Waves and Atoms, Module 1, Assignment 7	
		Textbook End-of-Chapter Questions (In Writing): Page 265: Answer 51, 59, 61.
		Textbook End-of-Chapter Questions (In Writing): Page 266: Answer 67, 71, 73, 83.

		Textbook End-of-Chapter Questions (In Writing): Page 267: Answer 91, 93, 105.
		Textbook End-of-Chapter Questions (In Writing): Page 268: Answer 109, 115, 123.
81	Unit C, Waves and Atoms, Module 2, Assignment 1	
		Study FYI Page Unit B, Module 6
		Time for a break in routine. Let's start with some questions first!
		Textbook End-of-Chapter Questions (In Writing): Answer "Reading Check" questions 1, 7, 9, 13, 15, 19, 21, 25, 29. (pages 293 - 294)
82	Unit C, Waves and Atoms, Module 2, Assignment 2	
		Study Sections: 11.1 - 11.4 (Videos + Textbook)
		Take corresponding video quizzes
83	Unit C, Waves and Atoms, Module 2, Assignment 3	
		Perform Activity: Mirror
		Play with PhET simulations: Color Vision
84	Unit C, Waves and Atoms, Module 2, Assignment 4	
		Study Section: 11.5 (Videos + Textbook)
		Take corresponding video quizzes
		Read Poem: What is Color?
		Perform "Pixel Peeping" with the Color Vision PhET simulation.
85	Unit C, Waves and Atoms, Module 2, Assignment 5	
		Perform Activity: SpeedLightCPS.pdf
86	Unit C, Waves and Atoms, Module 2, Assignment 6	
		Study Sections: 11.6 - 11.7 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
87	Unit C, Waves and Atoms, Module 2, Assignment 7	
		Study LightNTQ.pdf (Next-time Questions)
		Study LightPropNTQ.pdf (Next-time Questions)
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
88	Unit C, Waves and Atoms, Module 2, Assignment 8	
		Download and work on Practice Pages from the Doc Share:

		PhysicsPP11.pdf, Pages 103 - 110.
89	Unit C, Waves and Atoms, Module 2, Assignment 9	
		Download and work on Practice Pages from the Doc Share: PhysicsPP11.pdf, Pages 111 - 122.
90	Unit C, Waves and Atoms, Module 2, Assignment 10	
		Textbook End-of-Chapter Questions (Activities) 31, 35 (page 294).
		Textbook End-of-Chapter Questions (In Writing): Page 295: Answer 39, 51, 54.
		Textbook End-of-Chapter Questions (In Writing): Page 296: Answer 57, 61, 75.
		Textbook End-of-Chapter Questions (In Writing): Page 297: Answer 81, 83.
		Textbook End-of-Chapter Questions (In Writing): Page 298: Answer 103.
91	Unit C, Waves and Atoms, Module 3, Assignment 1	
		Study FYI Page Unit C, Module 3
		How did that work for you starting with some questions first? Of course, the idea is allow you to research each question within the chapter before looking up the answer.. So let's try it again.
		Textbook End-of-Chapter Questions (In Writing): Answer "Reading Check" questions 1, 5, 9, 15, 17, 21, 23, 25. (page 324)
92	Unit C, Waves and Atoms, Module 3, Assignment 2	
		Study Sections: 12.1 - 12.3 (Videos + Textbook)
		Take corresponding video quizzes
93	Unit C, Waves and Atoms, Module 3, Assignment 3	
		Study Section: 12.3 (Videos + Textbook)
		Take corresponding video quizzes
94	Unit C, Waves and Atoms, Module 3, Assignment 4	
		Perform Activity: Thickness BB
		Play with PhET simulation: Build an Atom
95	Unit C, Waves and Atoms, Module 3, Assignment 5	
		Study Section: 12.4 (Videos + Textbook)
		Take corresponding video quizzes
		Explain to some one why the periodic table should not be memorized.

96	Unit C, Waves and Atoms, Module 3, Assignment 6	
		Study Sections: 12.5 - 12.7 (Videos + Textbook)
		Take corresponding video quizzes
97	Unit C, Waves and Atoms, Module 3, Assignment 7	
		Study Sections: 12.8 - 12.9 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
98	Unit C, Waves and Atoms, Module 3, Assignment 8	
		Download and work on Practice Pages from the Doc Share: PhysicsPP12.pdf. Pages 62 - 63.
99	Unit C, Waves and Atoms, Module 3, Assignment 9	
		Textbook End-of-Chapter Questions (Activities) 29 (page 325).
		Textbook End-of-Chapter Questions (In Writing): Page 325: Answer 31, 33, 35.
		Textbook End-of-Chapter Questions (In Writing): Page 326: Answer 43, 47, 51, 61.
100	Unit C, Waves and Atoms, Module 3, Assignment 10	
		Textbook End-of-Chapter Questions (In Writing): Page 327: Answer 71, 75, 81, 87.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
101	Unit C, Waves and Atoms, Module 4, Assignment 1	
		Study FYI Page Unit C, Module 4
		Study Sections: 13.1 - 13.2 (Videos + Textbook)
		Take corresponding video quizzes
102	Unit C, Waves and Atoms, Module 4, Assignment 2	
		Study Sections: 13.3 - 13.4 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
103	Unit C, Waves and Atoms, Module 4, Assignment 3	
		Download and work on Practice Pages from the Doc Share: PhysicsPP13.pdf. Pages 125 - 127
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
104	Unit C, Waves and Atoms, Module 4, Assignment 4	

		Perform Activity: Half Life
105	Unit C, Waves and Atoms, Module 5, Assignment 1	
		Study FYI Page Unit C, Module 5
		Study Section: 13.5 (Videos + Textbook)
		Take corresponding video quizzes
		Read Essay: Thorium Reactors
		Research thorium reactors online
106	Unit C, Waves and Atoms, Module 5, Assignment 2	
		Study Sections: 13.6 - 13.7 (Videos + Textbook)
		Take corresponding video quizzes
		Video Share: ITER
107	Unit C, Waves and Atoms, Module 5, Assignment 3	
		Take Module Reading Quiz
		Study ChemNTQ1213Opt.pdf
		Download and work on Practice Pages from the Doc Share: PhysicsPP13.pdf. Page 129.
108	Unit C, Waves and Atoms, Module 5, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Page 353: Answer 31, 33, 37, 39, 41.
		Textbook End-of-Chapter Questions (In Writing): Page 354: Answer 43, 49.
109	Unit C, Waves and Atoms, Module 5, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 354: Answer 53, 57, 59, 63, 69.
		Textbook End-of-Chapter Questions (In Writing): Page 355: Answer 73, 75, 77.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
110	Unit C, Waves and Atoms, Module 5, Assignment 6	
		Take the Unit C 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.
111	Unit D, Astronomy, Module 1, Assignment 1	
		Study FYI Page Unit D, Module 1
		Study Sections: 26.1 - 26.2 (Videos + Textbook)

		Take corresponding video quizzes
112	Unit D, Astronomy, Module 1, Assignment 2	
		Perform Activity: Sunballs (On the next sunny day!)
		Perform Activity: Tracking Mars
113	Unit D, Astronomy, Module 1, Assignment 3	
		Study Sections: 26.3 - 26.4 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
114	Unit D, Astronomy, Module 2, Assignment 1	
		Study FYI Page Unit D, Module 2
		Study Section: 26.5 (Videos + Textbook)
		Take corresponding video quizzes
		Look at the Moon through binoculars
115	Unit D, Astronomy, Module 2, Assignment 2	
		Study Section: 26.6 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
		Answer correctly at least 5 questions from the Homework Practice Session (HPS)
116	Unit D, Astronomy, Module 2, Assignment 3	
		Download and work on Practice Pages from the Doc Share: CPS6ePP26.pdf
		Find the ecliptic on a clear night.
117	Unit D, Astronomy, Module 2, Assignment 4	
		Textbook End-of-Chapter Questions (In Writing): Answer "Reading Check" questions: 3, 7, 15, 17, 23, 27.
		Textbook End-of-Chapter Questions (Activities) 31, 33 (page 754).
118	Unit D, Astronomy, Module 2, Assignment 5	

		Textbook End-of-Chapter Questions (In Writing): Page 755: Answer 41, 47,, 51, 55, 65, 69.
		Textbook End-of-Chapter Questions (In Writing): Page 756: Answer 71, 77, 83, 87, 93.
119	Unit D, Astronomy, Module 3, Assignment 1	
		Study FYI Page Unit D, Module 3
		Study Sections: 27.1 - 27.2 (Videos + Textbook)
		Take corresponding video quizzes
120	Unit D, Astronomy, Module 3, Assignment 2	
		Study Sections: 27.3 - 27.4 (Videos + Textbook)
		Take corresponding video quizzes
121	Unit D, Astronomy, Module 3, Assignment 3	
		Perform Activity: Reckoning Latitude
122	Unit D, Astronomy, Module 3, Assignment 4	
		Study Section: 27.5 (Videos + Textbook)
		Take corresponding video quizzes
		Video Share: Event Horizons
123	Unit D, Astronomy, Module 3, Assignment 5	
		Study Section: 27.6 (Videos + Textbook)
		Take corresponding video quizzes
124	Unit D, Astronomy, Module 3, Assignment 6	
		Take Module Reading Quiz
		Field Trip: Visiting HubbleSite.org
125	Unit D, Astronomy, Module 3, Assignment 7	
		Download and work on Practice Pages from the Doc Share: CPS6ePP27.pdf
126	Unit D, Astronomy, Module 3, Assignment 8	
		Textbook End-of-Chapter Questions (In Writing): Page 786: Answer 35.
		Textbook End-of-Chapter Questions (In Writing): Page 787:

		Answer 43, 53, 63, 71.
		Textbook End-of-Chapter Questions (In Writing): Page 788: Answer 77, 91, 93.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
127	Unit D, Astronomy, Module 4, Assignment 1	
		Study FYI Page Unit D, Module 4
		Study Sections: 28.1 - 28.2 (Videos + Textbook)
		Take corresponding video quizzes
128	Unit D, Astronomy, Module 4, Assignment 2	
		Study Section: 28.3 (Videos + Textbook)
		Take corresponding video quizzes
129	Unit D, Astronomy, Module 4, Assignment 3	
		Study Section: 28.4 (Videos + Textbook)
		Take corresponding video quizzes
130	Unit D, Astronomy, Module 4, Assignment 4	
		Study Section: 28.5 - 28.7 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
131	Unit D, Astronomy, Module 4, Assignment 5	
		Download and work on Practice Pages from the Doc Share: CPS6ePP28.pdf
132	Unit D, Astronomy, Module 4, Assignment 6	
		Textbook End-of-Chapter Questions (Activities) 36, 37, 38 (page 814).
		Textbook End-of-Chapter Questions (In Writing): Page 815: Answer 45, 49, 53, 57, 61, 65, 71.
133	Unit D, Astronomy, Module 4, Assignment 7	
		Textbook End-of-Chapter Questions (In Writing): Page 816: Answer 75, 79, 85, 89.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)

134	Unit D, Astronomy, Module 4, Assignment 8	
		Take the Unit D 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.
135	Unit E, Elements of Chemistry, Module 1, Assignment 1	
		Study FYI Page Unit E, Module 1
		Study Sections: 14.1 - 14.3 (Videos + Textbook)
		Take corresponding video quizzes
136	Unit E, Elements of Chemistry, Module 1, Assignment 2	
		Perform Activity: Tubular Rust
137	Unit E, Elements of Chemistry, Module 1, Assignment 3	
		Study Sections: 14.4 - 14.7 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
138	Unit E, Elements of Chemistry, Module 1, Assignment 4	
		Download and work on Practice Pages from the Doc Share: CPS5e14Pages
139	Unit E, Elements of Chemistry, Module 1, Assignment 5	
		Textbook End-of-Chapter Questions (In Writing): Page 372: Answer 39, 41.
		Textbook End-of-Chapter Questions (In Writing): Page 373: Answer 43, 49, 51, 57.
		Textbook End-of-Chapter Questions (In Writing): Page 373: Answer 61.
140	Unit E, Elements of Chemistry, Module 1, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 374: Answer 65, 67, 69, 73, 75, 81, 83.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
141	Unit E, Elements of Chemistry, Module 2, Assignment 1	
		Study FYI Page Unit E, Module 2
		Study Sections: 15.1 - 15.2 (Videos + Textbook)
		Take corresponding video quizzes
142	Unit E, Elements of Chemistry, Module 2, Assignment 2	
		Study Sections: 15.3 - 15.5 (Videos + Textbook)

		Take corresponding video quizzes
		Take Module Reading Quiz
143	Unit E, Elements of Chemistry, Module 3, Assignment 1	
		Answer correctly at least 5 questions from the Module E2 Homework Practice Session (HPS)
		Study FYI Page Unit E, Module 3
		Study Sections: 15.6 - 15.7 (Videos + Textbook)
		Take corresponding video quizzes
144	Unit E, Elements of Chemistry, Module 3, Assignment 2	
		Download and work on Practice Pages from the Doc Share: CPS5e15Pages
145	Unit E, Elements of Chemistry, Module 3, Assignment 3	
		Study Section: 15.8 (Videos + Textbook)
		Take corresponding video quizzes
		Play with PhET simulation: Molecule Shapes
146	Unit E, Elements of Chemistry, Module 3, Assignment 4	
		Perform Activity: Rainbows
146	Unit E, Elements of Chemistry, Module 3, Assignment 5	
		Take Module Reading Quiz
		Textbook End-of-Chapter Questions (Activities) 29 (page 402).
		Textbook End-of-Chapter Questions (In Writing): Page 402: Answer 33, 37.
148	Unit E, Elements of Chemistry, Module 3, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 403: Answer 39, 41, 43, 49, 51, 61.
		Textbook End-of-Chapter Questions (In Writing): Page 403: Answer 63, 66.
149	Unit E, Elements of Chemistry, Module 3, Assignment 7	
		Textbook End-of-Chapter Questions (In Writing): Page 403: Answer 67, 69, 71, 75, 77, 79.
		Answer correctly at least 5 questions from the Module E3 Homework Practice Session (HPS)
150	Unit E, Elements of Chemistry, Module 4, Assignment 1	
		Study FYI Page Unit E, Module 4
		Study Sections: 16.1 - 16.2 (Videos + Textbook)

		Take corresponding video quizzes
151	Unit E, Elements of Chemistry, Module 4, Assignment 2	
		Study Section: 16.3 (Videos + Textbook)
		Take corresponding video quizzes
		Play with PhET simulation: Concentration
152	Unit E, Elements of Chemistry, Module 4, Assignment 3	
		Download and work on Practice Pages from the Doc Share: CPS5e16Pages. Only the first three entitled "solutions".
153	Unit E, Elements of Chemistry, Module 4, Assignment 4	
		Study Section: 16.4 (Videos + Textbook)
		Take corresponding video quizzes
154	Unit E, Elements of Chemistry, Module 4, Assignment 5	
		Perform Activity: Pure Sweetness
155	Unit E, Elements of Chemistry, Module 4, Assignment 6	
		Study Sections: 16.6 - 16.7 (Videos + Textbook)
		Take corresponding video quizzes
156	Unit E, Elements of Chemistry, Module 4, Assignment 7	
		Take Module Reading Quiz
		Download and work on Practice Pages from the Doc Share: CPS5e16Pages. The final two.
157	Unit E, Elements of Chemistry, Module 4, Assignment 8	
		Textbook End-of-Chapter Questions (Activities) 27 (page 432).
		Textbook End-of-Chapter Questions (In Writing): Page 432: Answer 33, 35.
		Textbook End-of-Chapter Questions (In Writing): Page 433: Answer 37.
		Textbook End-of-Chapter Questions (In Writing): Page 433: Answer 41, 53.
158	Unit E, Elements of Chemistry, Module 4, Assignment 9	
		Textbook End-of-Chapter Questions (In Writing): Page 433: Answer 41, 43, 53.
		Textbook End-of-Chapter Questions (In Writing): Page 434: Answer 59, 67, 71, 75.
		Textbook End-of-Chapter Questions (In Writing): Page 435: Answer 79.
		Answer correctly at least 10 questions from the Homework

		Practice Session (HPS)
159	Unit E, Elements of Chemistry, Module 4, Assignment 10	
		Take the Unit E 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 F, Chemical Reactions, Module 1, Assignment 1	
		Study FYI Page Unit F, Module 4
		Study Section: 17.1 (Videos + Textbook)
		Take corresponding video quizzes
		Download and work on Practice Pages from the Doc Share: CPS5e17Pages. Balancing Chemical Equations, 2 pages
		Optional: Play with PhET simulation: Balancing Chemical Equations
1611	Unit F, Chemical Reactions, Module 1, Assignment 2	
		Study Section: 17.2 (Videos + Textbook)
		Take corresponding video quizzes
		Download and work on Practice Pages from the Doc Share: CPS5e17Pages. Relative Mass, 3 pages
162	Unit F, Chemical Reactions, Module 1, Assignment 3	
		Study Section: 17.3 (Videos + Textbook)
		Take corresponding video quizzes
		Download and work on Practice Pages from the Doc Share: CPS5e17Pages. Moles to Grams, 1 page
163	Unit F, Chemical Reactions, Module 1, Assignment 4	
		Study Section: 17.4 (Videos + Textbook)
		Take corresponding video quizzes
164	Unit F, Chemical Reactions, Module 1, Assignment 5	
		Study Section: 17.5 (Videos + Textbook)
		Take corresponding video quizzes
		Download and work on Practice Pages from the Doc Share: CPS5e17Pages. Exothermic and Endothermic Reactions, 2 pages
165	Unit F, Chemical Reactions, Module 1, Assignment 6	
		Study Section: 17.6 (Videos + Textbook)
		Take corresponding video quizzes

		Take Module Reading Quiz
166	Unit F, Chemical Reactions, Module 1, Assignment 7	
		Perform Activity: Entropy
167	Unit F, Chemical Reactions, Module 1, Assignment 8	
		Textbook End-of-Chapter Questions (Activities) 31 (page 459).
		Textbook End-of-Chapter Questions (In Writing): Page 459: Answer 35.
		Textbook End-of-Chapter Questions (In Writing): Page 460: Answer 39, 41b
		Textbook End-of-Chapter Questions (In Writing): Page 460: Answer 43, 45, 47.
168	Unit F, Chemical Reactions, Module 1, Assignment 9	
		Textbook End-of-Chapter Questions (In Writing): Page 461: Answer 53, 61, 63.
		Textbook End-of-Chapter Questions (In Writing): Page 461: Answer 65, 67, 71.
		Textbook End-of-Chapter Questions (In Writing): Page 462: Answer 73, 81.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
169	Unit F, Chemical Reactions, Module 2, Assignment 1	
		Study FYI Page Unit F, Module 2
		Study Sections: 18.1 - 18.2 (Videos + Textbook)
		Take corresponding video quizzes
170	Unit F, Chemical Reactions, Module 2, Assignment 2	
		Study Section: 18.3 (Videos + Textbook)
		Take corresponding video quizzes
171	Unit F, Chemical Reactions, Module 2, Assignment 3	
		Download and work on Practice Pages from the Doc Share: CPS5e18Pages. Bronsted-Lowrey plus Lewis Acids, 3 pages
		Perform Activity: Red Cabbage
172	Unit F, Chemical Reactions, Module 2, Assignment 4	
		Study Section: 18.4 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module F2 Reading Quiz
173	Unit F, Chemical Reactions, Module 2, Assignment 5	

		Download and work on Practice Pages from the Doc Share: CPS5e18Pages. Expert Only, Supercritical Water, Ocean Acidification, 3 pages
		Answer correctly at least 5 questions from the Module F2 Homework Practice Session (HPS)
174	Unit F, Chemical Reactions, Module 3, Assignment 1	
		Study FYI Page Unit F, Module 3
		Study Sections: 18.5 - 18.6 (Videos + Textbook)
		Take corresponding video quizzes
175	Unit F, Chemical Reactions, Module 3, Assignment 2	
		Perform Activity: Taste of Money (Parental Supervision)
176	Unit F, Chemical Reactions, Module 3, Assignment 3	
		Study Sections: 18.7 - 18.8 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module F3 Reading Quiz
177	Unit F, Chemical Reactions, Module 3, Assignment 4	
		Download and work on Practice Pages from the Doc Share: CPS5e18Pages. Transferring Electrons, Two Questions, PV Cells, Fuel Cells, 5 pages
178	Unit F, Chemical Reactions, Module 3, Assignment 5	
		Textbook End-of-Chapter Questions (Activities) 35, 37 (page 494).
		Textbook End-of-Chapter Questions (In Writing): Page 495: Answer 39, 41, 47, 51.
		Textbook End-of-Chapter Questions (In Writing): Page 496: Answer 57, 59, 65.
179	Unit F, Chemical Reactions, Module 3, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 497: Answer 69, 77, 83, 89.
		Textbook End-of-Chapter Questions (In Writing): Page 498: Answer 93.
		Answer correctly at least 5 questions from the Module F3 Homework Practice Session (HPS)
180	Unit F, Chemical Reactions, Module 4, Assignment 1	
		Study FYI Page Unit F, Module 4
		Study Sections: 19.1 - 19.3 (Videos + Textbook)
		Take corresponding video quizzes

181	Unit F, Chemical Reactions, Module 4, Assignment 2	
		Study Sections: 19.4 - 19.5 (Videos + Textbook)
		Take corresponding video quizzes
182	Unit F, Chemical Reactions, Module 4, Assignment 3	
		Study Sections: 19.6 - 19.7 (Videos + Textbook)
		Take corresponding video quizzes
		Take Module Reading Quiz
183	Unit F, Chemical Reactions, Module 4, Assignment 4	
		Perform Activity: Sweet Polarization
184	Unit F, Chemical Reactions, Module 4, Assignment 5	
		Download and work on Practice Pages from the Doc Share: CPS5e19Pages
185	Unit F, Chemical Reactions, Module 4, Assignment 6	
		Textbook End-of-Chapter Questions (In Writing): Page 527: Answer 37, 39, 47.
		Textbook End-of-Chapter Questions (In Writing): Page 528: Answer 51, 61.
		Textbook End-of-Chapter Questions (In Writing): Page 529: Answer 67.
		Answer correctly at least 10 questions from the Homework Practice Session (HPS)
186	Unit F, Chemical Reactions, Module 4, Assignment 7	
		Take the Unit F 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.
187	Unit F, Chemical Reactions, Module 4, Assignment 8	
		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.

