

Mr. Schunk's Advanced Chemistry 1 Daily Agenda

[Class Notes](#)

THIS WEEK

Two Truths and a Lie

- [A1-2](#)
- [A3-4](#)

August 21st

Date	Topics	Class Notes	Homework
Monday (21)	No School		
Tuesday (22) A Day	Welcome to Advanced Chemistry!! First Day of School Chat Course Guidelines Course Grading Academic Integrity Work on Two Truths and a Lie - A1-2 - A3-4		Watch the Chemical Safety Video
Wednesday (23) B Day	No Class		
Thursday (24) A Day	Two Truths & A Lie Go over Lab Safety Rules Questions on Safety Video?		Student/parent signed safety contract
Friday (25) NO SCHOOL			

August 29th

Date	Topics	Class Notes	Homework
Monday (29) B Day	No Class		
Tuesday (30) A Day	Take Safety Quiz Setup Lab Notebook Discuss Accuracy & Precision		
Wednesday (31) B Day	No Class		
Thursday (9/1) A day	Lab Equipment Bunsen burner lab		Lab Report due 9/8
Friday (2) B day	No Class		

September 5th

Date	Topics	Class Notes	Homework
Monday (5)	No School		
Tuesday (6) A Day	Go over lab equipment Finish Significant Digits	Notes	HW - P. 33-34 #2.9, 11, 13, 15, 19, 23. P. 38 #2.25, 29, 31
Wednesday (7) B Day	No Class		
Thursday (8) A Day	Hand in HW Hand in Bunsen Burner lab report SI System Setup lab notebook		HW - P. 30 #2.3, 5, 7 P. 42 #2.37, 39, 41, 43
Friday (9)	No Class		

B Day			
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September 12th

Date	Topics	Class Notes	Homework
Monday (12) A Day	Lab - Accuracy & Precision		
Tuesday (13) B Day	No Class		
Wednesday (14) A Day	Lab Equipment quiz Finish SI System Work on Accuracy & Precision Lab Rubric		HW - P. 30 #2.3, 5, 7 P. 42 #2.37, 39, 41, 43
Thursday (15) B Day	No Class		
Friday (16) A Day	Questions on SI HW? Start Factor Label Work on Lab		Finish lab report

September 19th

Date	Topics	Class Notes	Homework
Wednesday (19) B Day	No Class		
Tuesday (20) A Day	Submit Lab Report Density - notes and lecture		Quiz next class on Factor Label, SI, Sig Digits, Density HW P. 47 #2.45, 49, 55 P. 52 #2.57 #2.61, 63, 67 HW P. 58 #2.69, 73, 77

Wednesday (21) B Day	No Class		
Thursday (22) A Day	Quiz Scientific Notation Work on review		
Friday (23) B Day	No Class		

September 26th

Date	Topics	Class Notes	Homework
Monday (26) A Day	Review		
Tuesday (27) B Day	No Class		
Wednesday (28) A Day	Unit exam		Lab Practical - next class
Thursday (29) B Day	No Class		
Friday (30) A Day	Lab Practical Work on Independent Learning		Independent Learning - due 10/4

October 3rd

Date	Topics	Class Notes	Homework
Wednesday (3) B Day	No Class		
Tuesday (4) A Day	Submit Independent Learning Periodic Table Fun videos: - The Periodic Table song	Class Notes	P. 102 #4.3, 5 P. 107 #4.9, 11, 13, 15

	- Noble Gases		
Wednesday (5) B Day	No Class		
Thursday (6) A Day	Phase Changes Read P. 79-86 Energy Calculations	Class Notes	
Friday (7)	NO SCHOOL		

October 10th

Date	Topics	Class Notes	Homework
Wednesday (10) B Day	No Class		
Tuesday (11) A Day	Read P. 291-297 Finish Energy Calculations	Class Notes	
Wednesday (12) B Day	PSAT DAY		
Thursday (13) A Day	Heat demo More work on energy calculations Work on HW	Class Notes	HW - P. 86 #3.29, 31, 33, 35, 37, 39. P. 298 #10.45a&d, 47a, 49 Quiz next class
Friday (14) B Day	No Class		

October 17th

Date	Topics	Class Notes	Homework
Monday (17) A Day	SUB Hand in HW		

	Quiz Work on Review		
Tuesday (18) B Day	No Class		
Wednesday (19) A Day	Discuss Unknown Liquid Lab Review		
Thursday (20) B Day	No Class		
Friday (21) A Day	Review Test Start Unknown Liquid Lab		

October 10th

Date	Topics	Class Notes	Homework
Monday (24) B Day	No Class		
Tuesday (25) A Day	Unknown Liquid Lab		
Wednesday (26) B Day	No Class		
Thursday (27)	Act 80 Day		
Friday (28)	Act 80/Records		

October 31st

Date	Topics	Class Notes	Homework
Monday (31) A Day	Finish Data Collection		
Tuesday (11/1) B Day	No Class		

Wednesday (2) A Day	Go over grading rubric Go over report		Lab Report due Friday
Thursday (3) B Day	No Class		
Friday (4) A Day	History of the Atom Read pages 108-110 Work on lab report	Class notes (up to Millikan)	

November 7th

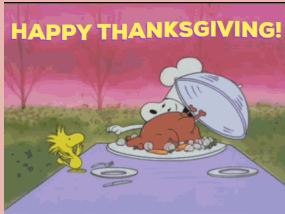
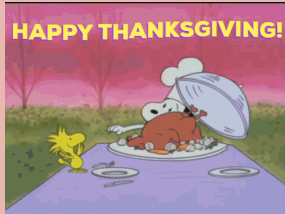
Date	Topics	Class Notes	Homework
Wednesday (7) B Day	No Class		
Tuesday (8) A Day	Hand in group lab report Group evaluation Rutherford's gold foil experiment Target lab	Class notes (just Rutherford)	HW - Finish Target lab
Wednesday (9) B Day	No Class		
Thursday (10) A Day	Rutherford Calculations		HW - Finish Rutherford Calculations
Friday (11) B Day	No Class		

November 14th

Date	Topics	Class Notes	Homework
Monday (14) A Day	Submit Target lab and Rutherford's calculations	Class notes	P. 110 #4.21, 23 P. 113 #4.27, 29, 33

	Read p. 111-117 Protons, neutrons, electrons Chemical combination		P. 116-117, #4.35, 37, 39, 47 (due Friday 11/18)
Tuesday (15) B Day	No Class		
Wednesday (16) A Day	Lab - Emission Spectra		
Thursday (17) B Day	No Class		
Friday (18) A Day	Read p. 126 - 131 Dalton & Bohr	Class notes (Bohr to the end)	P. 128 #5.5, 11, 13 P. 131 #5.17, 19

November 21st

Date	Topics	Class Notes	Homework
Wednesday (21) B Day	No Class		
Tuesday (22) A Day	Quiz The Modern Theory Finish Lab	Class notes (errors with Bohr to Modern Theory)	
Wednesday (23)	NO SCHOOL		
Thursday (24)	THANKSGIVING!		
Friday (25)	NO SCHOOL		

November 28th

Date	Topics	Class Notes	Homework
Wednesday (28) B Day	No Class		
Tuesday (29) A Day	Hand in lab Read p. 135 - 143 Electron Configurations SPDF Blocks	Class notes (energy level diagrams to electron configuration)	
Wednesday (30) B Day	No Class		
Thursday (1) A Day	Orbital Notation Energy Level Diagram	Class notes (electron configuration to orbital notation)	P. 134 #5.23, 25, 27 P. 139 #5.31, 33, 35, 37 P. 143 #5.43, 47, 49
Friday (2) B Day	No Class		

December 5th

Date	Topics	Class Notes	Homework
Monday (5) A Day	Quantum Numbers	Class notes (quantum numbers)	Worksheet Quiz on Wednesday Worksheet answers
Tuesday (6) B Day	No Class		
Wednesday (7) A Day 3-hour delay	Quiz on Electrons		
Thursday (8)	No Class		

B Day Two hour delay			
Friday (9) A Day	Read p. 509 - 518, 522 - 526 Start Nuclear Chemistry	Class notes	

December 12th

Date	Topics	Class Notes	Homework
Wednesday (12) B Day	No Class		
Tuesday (13) A Day	Finish Nuclear Chemistry	Class notes	P. 511 -512 #16.5, 7 P. 518 - 519 #16.13, 19 (don't describe the equation), 21 P. 526 #16.31, 33
Wednesday (14) B Day	No Class		
Thursday (15)	SNOW DAY		
Friday (16) A Day Two hour delay	Review		

December 19th

Date	Topics	Class Notes	Homework
Monday (19) B Day	No Class		
Tuesday (20) A Day	Test		
Wednesday (21) B Day	No Class		
Thursday (22) A Day	Lab - Applications of Thermal Energy in		

2 hour delay schedule	the Presence of Sucrose, Enriched Wheat Flour, and the Seed of the Theobroma Cacao		
Friday (23) - January 2nd No School	SEE YOU	IN	2023!

Week of January 2nd, 2023

Date	Topics	Class Notes	Homework
Monday (2)	No School		
Tuesday (3) B Day	No Class		
Wednesday (4) A Day	Begin Unit 4 Read p. 283 - 287 Chemical Formulas, Chemical Bonds,	Class notes	P. 287 #10.23, 29, 31
Thursday (5) B Day	No Class		
Friday (6) A Day	Read p. 270 - 276 Valence Electrons, Ionic Charge, Covalent Bonding	Class notes	Worksheet

Week of January 9th

Date	Topics	Class Notes	Homework
Monday (9) B Day	No Class		
Tuesday (10) A Day	Read p. 270 - 278 Covalent Bonding Solids, Liquids,	Class notes	

	Gasses		
Wednesday (11) B Day	No Class End of 2nd MP		
Thursday (12) A Day	Chemistry EVERYDAY!! Go over worksheet Work on Independent Learning Course Recommendations		Finish Independent Learning
Friday (13)	NO SCHOOL - Records Day		

Week of January 16th, 2023

Date	Topics	Class Notes	Homework
Monday (16)	No School		
Tuesday (17) B Day	Go over Independent Learning Read p. 279-283 Molecular Shapes	Class notes	Quiz on Wednesday
Wednesday (18) A Day	Quiz - Independent Learning Molecular Shapes Model Kit Lab Complete the Pre-lab	Class notes	Pre-lab in lab notebook
Thursday (19) B Day	Model Kit Lab Complete Table 2		P. 283 #10.13, 15, 17, 19, 20
Friday (20) A Day	Read p. 287-288	Class notes	

	Discuss Polarity Lab - Complete Part 2 (not IMFs)		
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Week of January 23rd

Date	Topics	Class Notes	Homework
Monday (23) B Day	Read p. 288-291 Discuss IM Forces Lab - Complete Part 2 & Analysis	Class notes	P. 287 #10.23, 29, 31 P. 291 #10.39, 41, 43, 44 Quiz on Molecular shapes, polarity, and IM Forces - tomorrow
Tuesday (24) A Day	Quiz on Molecular shapes, polarity, and IM Forces Chemical Bonding Lab - Pre-lab		
Wednesday (25)	SNOW DAY		
Thursday (26) B Day	Submit Molecular Model Lab Begin Chemical Bonding Lab		
Friday (27) A Day	Review Chemical Bonding Lab Lab report template		

Week of January 30th

Date	Topics	Class Notes	Homework
Monday (30) B Day	Test		Lab report due Wednesday

	Finish Chemical Bonding Lab Handout Polyatomic Ions		
Tuesday (31) A Day	Read p. 172-176 Slides 1-11 Polyatomic ions Nonmetal compounds	Notes	P. 176 #6.49, 51, 54
Wednesday (2/1) B Day	Hand in lab report Submit lab report Group Evaluation Read p. 164-172 Slides 12-23 Ionic Compounds	Notes	P.167-8 #6.21, 25, 29, 30 P. 172 #6.39, 41, 44
Thursday (2) A Day	Daily Polyatomic Ion Quiz Read p. 432-434 Slides 24-32 Acids, Bases, Hydrates Chemical Formula Practice	Notes	Practice worksheet P. 434 #14.3, 6
Friday (3) B Day	Daily Polyatomic Ion Quiz Chemical Formula Dice Game Answers	Notes	Quiz tomorrow

Week of February 6th

Date	Topics	Class Notes	Homework
Monday (6) A Day	Daily Polyatomic Ion Quiz Quiz - Chemical Formulas Read P. 188-190, 194-196 Slides 33-40 Molar mass, % composition	Notes	P. 190 #7.15, 18 P. 196 #7.39
Tuesday (7) B Day	Daily Polyatomic ion quiz Read P. 184-187, 190-194 Slide 41-60ish Mole calculations	Notes	
Wednesday (8) A Day	More with Mole Calculations	Notes	P. 187 #7.2, 3, 5, 8 P. 194 #7.21, 25, 31, 36
Thursday (9) B Day	Check over HW Quiz on mole calculations Read P. 197-203 Slides 72-81 Empirical & Molecular Formulas Activity	Notes More notes	P. 201 #7.45 P. 194 #7.47, 50, 53, 58
Friday (10) A Day	Hydrate lab		

Week of February 13th

Date	Topics	Class Notes	Homework
Monday (13) B Day	Discuss hydrate lab Finish lab or review		
Tuesday (14) A Day	Unit test		
Wednesday (15) B Day	Balancing Equations Start Synthesis Rxns Demo - KClO_3	Notes	
Thursday (16) A Day	Finish Synthesis Rxns Demo - $\text{Mg} + \text{O}_2$	Notes	HW Packet - P. 3
Friday (17) B Day	Decomposition Rxns Demo - $\text{H}_2\text{O}_2 + \text{KI}$	Notes	HW - Packet P. 4 Quiz - Monday

Week of February 20th

Date	Topics	Class Notes	Homework
Monday (20) A Day	Quiz - Synthesis & Decomposition Rxns Single Replacement Reactions Demo - $\text{Cu} + \text{MgSO}_4$ $\text{Mg} + \text{CuSO}_4$	Notes	HW Packet - P. 5
Tuesday (21) B Day	Double Replacement Rxns Demo - $\text{KI} + \text{AgNO}_3$	Notes	HW Packet - P. 6

Wednesday (22) A Day	Combustion Rxns Bond Energies Read p. 254 - 257 Demo - Methanol	Notes	HW Packet - P. 7 Textbook - P. 259-260, #9.33, 39
Thursday (23) B Day	Review Types of Reactions Packet P. 8	Notes	HW Packet - P. 8 Quiz tomorrow
Friday (24) A Day	Quiz Start Cu Cycle Part A Work on Review		

Week of February 27th

Date	Topics	Class Notes	Homework
Monday (27)	NO SCHOOL		
Tuesday (28) B Day	Copper Cycle Parts B-E		
Wednesday (3/1) A Day	Review Test		
Thursday (2) B Day	Cu Cycle Mass Copper		
Friday (3) A Day	Work on lab report		Report due 3/14
SPRING BREAK!!!			

Week of March 13th

Date	Topics	Class Notes	Homework

Monday (13) B Day	Work on lab report		Due Tuesday 3/14
Tuesday (14) A Day	Submit Lab Report Group Evaluations Read P. 228-231, 477-488 Start Redox Rxns	Notes	
Wednesday (15) B Day	Finish Redox Rxns		HW - P. 482-3 #15.13, 15, 17 P. 488, #15.22, 23
Thursday (16) A Day	Check HW Read P. 355-363 Net Ionic Equations	Notes	
Friday (17) B Day	Finish Net Ionic Equations		HW - P. 357 #12.7, 9, 11 P. 362-3 #12.25

Week of March 20th

Date	Topics	Class Notes	Homework
Monday (20) A Day	Lab - Stuck Together, Torn Apart		Quiz tomorrow
Tuesday (21) B Day	Hand in HW Quiz - Redox & Net Ionic Equations Finish Lab Work on report		Finish Lab
Wednesday (22) A Day	Review or finish lab report		Test tomorrow
Thursday (23) B Day	Test		

Friday (24) A Day	Read p. 241-247 Mol to mol & Mass to mass calculations	Notes (up to page 7)	
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Week of March 27th

Date	Topics	Class Notes	Homework
Monday (27) A Day	NO SCHOOL		
Tuesday (28) B Day	More mass to mass calculations Kahoot Work on HW Quiz tomorrow	Notes (up to page 7)	HW P. 244 #9.7, 9 P. 247 #9.13, 16, 17
Wednesday (29) A Day	Quiz - Mass to Mass Calculations Read P. 247-253 Start Limiting/Excess Reactants	Notes - (pages 8-9) LR/ER notes	
Thursday (30) B Day	More with LR/ER % Yield Quiz Monday	Notes	HW - P. 251 #9.21, 23 P. 253 #9.27, 31
Friday (31) A Day	Start Iron Chemist	Finish Iron Chemist	Lab due on 4/3

Week of April 3rd

Date	Topics	Class Notes	Homework
Monday (3) B Day	Quiz - LR/ER Finish Iron Chemist		
Tuesday (4) A Day	Read P. 368-378 Molarity	Notes	

	Dilutions		
Wednesday (5) B Day	Solubility Curves Molarity of Ions	Notes	Solubility Worksheet
Thursday (6) A Day	More with Molarity of Ions Additional reading	Notes	HW - Worksheet HW - P.370 #12.39, 41, 45 P. 373-4 #12.53 (a & b), 55 (a & c) P. 378 #12.61
Friday (7)	NO SCHOOL		

Week of April 10th

Date	Topics	Class Notes	Homework
Monday (10) B Day	Quiz Review		HW
Tuesday (11) A Day	Test		
Wednesday (12) B Day	Lab - Making a Standard Curve		
Thursday (13) A Day	Discuss Making a Standard Curve Lab & re-react copper		
Friday (14) B Day	Lab - Copper Cycle Part 2 - Lab - Report		

Week of April 17th

Date	Topics	Class Notes	Homework
Monday (17)	Work on lab report	Track Mr. Schunk -	Lab Report due

A Day Boston Marathon!	<u>Explanation of lab report</u>	9523	Wednesday
Tuesday (18) B Day	Intro to Equilibrium Finish lab report Explanation of lab report		Lab Report due Wednesday
Wednesday (19) A Day	Submit lab report More with Keg	Notes	HW - P. 410, #13.13, 15, 19, 25 P. 413, #13.27, 29, 33 Due Friday
Thursday (20) B Day	Le Chatelier's Principle	Notes	HW - P. 420, #13.35, 41, 42
Friday (21) A Day	Lab - Le Chatelier's Principle		

Week of April 24th

Date	Topics	Class Notes	Homework
Monday (24) B Day	Quiz on K_{eq} Intro to Acids/Bases (Slides 1-25) Read p. 431-441		
Tuesday (25) A Day	Review		
Wednesday (26) B Day	Exam		
Thursday (27) A Day	Titration Lab		
Friday (28) B Day	Ka, Kb, Kw Read p. 442-447	Class notes	P. 444 #14.28, 29, 31 P. 447 #14.37, 41

			Due Monday
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Week of May 1st

Date	Topics	Class Notes	Homework
Monday (5/1) A Day	pH Read p. 447-453	Class notes	P. 453-4 #14.46, 49, 52 Due Wednesday
Tuesday (2) B Day	Buffers Read p. 459-462	Class notes	P. 463 #14.69, 71, 74 Quiz tomorrow
Wednesday (3) A Day	Quiz on pH, buffers, and K's		
Thursday (4) B Day	Lab - Titration of a weak acid Possible acids list		
Friday (5) A Day	Finish lab		Lab due on Monday

Week of May 8th

Date	Topics	Class Notes	Homework
Monday (8) B Day	Kahoot practice		
Tuesday (9) A Day	Indicator Lab		
Wednesday (10) B Day	Indicator Lab		
Thursday (11) A Day	Review		
Friday (12) B Day	Exam		

Week of May 15th

Date	Topics	Class Notes	Homework
Monday (15) A Day Keystone testing 2-hour delay	Properties of Gas Lab		
Tuesday (16) B Day Keystone testing 2-hour delay	Properties of Gas Lab		
Wednesday (17) A Day Keystone testing 2-hour delay	Gas Laws Properties Read P. 312-326		
Thursday (18) B Day Keystone testing 2-hour delay	Combined Gas Law		P. 319 #11.10, 11.11, 15 P. 321 #11.25, 29 P. 326 #11.47 Due Wednesday
Friday (19) A Day	Ideal Gas Law Read P. 327-333		P. 333 #11.57, 61 Due Wednesday

Week of May 22nd

Date	Topics	Class Notes	Homework
Monday (22) B Day Keystone testing 3-hour delay	Dalton's Law & Gas Stoichiometry Read 334-341		P. 335 #11.65, 68 P. 341 #11.73, 75, 76 Due Wednesday
Tuesday (23) A Day Keystone testing 3-hour delay	Dalton's Law & Gas Stoichiometry Read 334-341		

Wednesday (24) B Day	_Quiz Submit homework Introduce Gas, Gas, Gas Lab		
Thursday (25) A Day	Review		
Friday (26) B Day	Test		Bring in your textbook!

Week of May 29th

Date	Topics	Class Notes	Homework
Monday (29)	Memorial Day NO SCHOOL		
Tuesday (30) A Day	Gas, Gas, Gas Lab		
Wednesday (31) B Day	Gas, Gas, Gas Lab Writeup		Lab due by the end of the block
Thursday (6/1) A Day	Lab Cleanup		
Friday (6/2) B Day	Pancake lab		
Monday (6/5) A Day	LAST DAY OF SCHOOL!		