

City of Angels School
Independent Study – Los Angeles Unified School District
INSTRUCTIONAL FRAMEWORK – **Chemistry B** Course # 361812
Textbook: California VOL 1 & 2, Experience Chemistry in the Earth System

The Next Generation Science Standards (NGSS) are covered in both A & B Courses. This course is also aligned with Reading and Writing Standards for Literacy in Science and Technical Subjects for Grades 6–12, part of the Common Core State Standards (CCSS) available at <http://www.cde.ca.gov/re/cc/>.

Text: Access the SAVVAS/eBook by clicking the app in the left column of your Schoology course.

- Launch the app
- Select **SAVVAS Science**
- Make sure you are in the correct textbook: **California VOL 1 & 2, Experience Chemistry in the Earth System**
- Select the **Student ebook**

Assignments and Grades	
Final course grades will be based on the following suggested matrix:	
Book work	40%
Labs	20%
Unit Performance Task	20%
Unit Practice and Review	20%

Grading Rubric

4	-Accurate analysis cites strong textual evidence for support. -Well developed communication of content ideas.
3	-Accurate analysis cites textual evidence for support -Good communication of content ideas
2	-Mostly accurate analysis which cites some textual evidence for support. -Basic communication of ideas
1	-Minimally accurate analysis which provides no textual evidence for support. -Poor communication of content ideas. -Only partially correct and partially complete answers, no evidence.
0	-Inaccurate or no textual analysis. -Very poor (or no) communication of ideas.

Weeks 1-2

VOLUME 1, INSTRUCTIONAL SEGMENT 3: Understanding Chemical Reactions

INVESTIGATION 9, p. 303

- View Investigative Phenomenon video, online
- Complete modeling interactive worksheet, online
- Answer questions 1 and 2

1. EXPERIENCE 1

- Read p. 304-314
- Answer questions 3-13

2. EXPERIENCE 2

- Read p. 315-328
- Answer questions 14-25

3. EXPERIENCE 3

- Read p. 329-336
- Answer questions 26-34

4. LAB OPTIONS: Choose 1 and discuss with your teacher

- Inquiry Lab
- Virtual Lab

5. COMPLETE ASSESSMENT, p. 337, Answer questions 35 and 36

INVESTIGATION 10, p. 339

- View Investigative Phenomenon video, online
- Complete CER interactive worksheet, online
- Answer questions 1 and 2

1. EXPERIENCE 1

- Read p. 340-346
- Answer questions 3-9

2. EXPERIENCE 2

- Read p. 347-356
- Answer questions 10-19

3. EXPERIENCE 3

- Read p. 357-366
- Answer questions 20-30

4. LAB OPTIONS: Choose 1 and discuss with your teacher

- Inquiry Lab
- Virtual Lab

5. COMPLETE ASSESSMENT, p. 367, Answer questions 31 and 33

Weeks 3-4

INVESTIGATION 11, p. 369

- View Investigative Phenomenon video, online
- Complete modeling interactive worksheet, online
- Answer questions 1 and 2

1. EXPERIENCE 1

- Read p. 370-378
- Answer questions 3-11

2. EXPERIENCE 2

- Read p. 379-386
- Answer questions 12-18

3. EXPERIENCE 3

- Read p. 387-394
- Answer questions 19-25

4. LAB OPTIONS: Choose 1 and discuss with your teacher

- Inquiry Lab
- Virtual Lab

5. COMPLETE ASSESSMENT, p. 395, Answer questions 26 and 27

VOLUME 2, INSTRUCTIONAL SEGMENT 4: The Chemistry of Climate Change

Read p. 2-3, answer the **Anchoring Phenomenon** question on p. 3

INVESTIGATION 12, p. 4 - 5

- View Investigative Phenomenon video, online
- Use claim-evidence-reasoning worksheet to draft an explanation, online
- Answer questions 1 and 2

1. EXPERIENCE 1

- Read p. 6-16
- Answer questions 3-10

2. EXPERIENCE 2

- Read p. 17-20
- Answer questions 11-27

3. EXPERIENCE 3

- Read p. 28-37
- Answer questions 21-30

4. EXPERIENCE 4

- Read p. 38-46
- Answer questions 31-38

5. EXPERIENCE 5

- Read p. 47-58

- Answer questions 39-45
- 6. LAB OPTIONS:** Choose 1 and discuss with your teacher
- Inquiry Lab
 - Virtual Lab
- 7. COMPLETE ASSESSMENT,** p. 59, Answer questions 46 and 47

Weeks 5-6

INVESTIGATION 13, p. 60-61

- View Investigative Phenomenon video, online
- Complete CER interactive worksheet, online
- Answer questions 1 and 2

1. EXPERIENCE 1

- Read p. 62-68
- Answer questions 3-8

2. EXPERIENCE 2

- Read p. 69-76
- Answer questions 9-16

3. EXPERIENCE 3

- Read p. 77-84
- Answer questions 17-22

4. EXPERIENCE 4

- Read p. 85-94
- Answer questions 23-31

5. EXPERIENCE 5

- Read p. 95-104
- Answer questions 32-40

6. EXPERIENCE 6

- Read p. 105-116
- Answer questions 41-49

7. LAB OPTIONS: Choose 1 and discuss with your teacher

- Inquiry Lab
- Virtual Lab

INVESTIGATION 14, p. 121

- View Investigative Phenomenon video, online
- Complete Claim-Evidence-Reasoning worksheet, online
- Answer questions 1 and 2

1. EXPERIENCE 1

- Read p. 122-129
- Answer questions 3-9

2. EXPERIENCE 2

- Read p. 130-135
- Answer questions 10-14

3. EXPERIENCE 3

- Read p. 136-142
- Answer questions 15-20

4. LAB OPTIONS: Choose 1 and discuss with your teacher

- Inquiry Lab
- Virtual Lab

5. COMPLETE ASSESSMENT, p. 143, Answer questions 21-23

Weeks 7-8

INVESTIGATION 15, p. 145

- View Investigative Phenomenon video
- Complete Claim-Evidence-Reasoning worksheet, online
- Answer questions 1 and 2

1. EXPERIENCE 1

- Read p. 145-155
- Answer questions 3-10

2. EXPERIENCE 2

- Read p. 156-165
- Answer questions 11-19

3. EXPERIENCE 3

- Read p. 166-170
- Answer questions 20-22

4. LAB OPTIONS: Choose 1 and discuss with your teacher

- Inquiry Lab
- Virtual Lab

5. COMPLETE ASSESSMENT, p. 171 Answer questions 23-25

INVESTIGATION 16, p. 173

- View Investigative Phenomenon video
- Complete Claim-Evidence-Reasoning worksheet, online
- Answer questions 1 and 2

1. EXPERIENCE 1

- Read p. 174-181
- Answer questions 3-8

2. EXPERIENCE 2

- Read p. 182-189
- Answer questions 9-13

3. EXPERIENCE 3

- Read p. 190-203
- Answer questions 14-26

4. EXPERIENCE 4

- Read p. 204-214
- Answer questions 27-34

5. LAB OPTIONS: Choose 1 and discuss with your teacher

- Inquiry Lab
- Virtual Lab

6. COMPLETE ASSESSMENT, p. 215, Answer questions 35 and 36