

City of Angels School
 Independent Study – Los Angeles Unified School District
 INSTRUCTIONAL FRAMEWORK – **Chemistry A** Course # 361413
 Textbook: California VOL 1, 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, 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 1: Combustion, Heat, and Energy

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

INVESTIGATION 1, p. 5

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

1. EXPERIENCE 1

- Read p. 6-13
- Answer questions 3-11

2. EXPERIENCE 2

- Read p. 14-23
- Answer questions 12-21

3. EXPERIENCE 3

- Read p. 24-32
- Answer questions 22-29

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

- Inquiry Lab
- Virtual Lab

5. COMPLETE ASSESSMENT, p. 33, Answer questions 30 and 31

INVESTIGATION 2, p. 35

- View Investigative Phenomenon video
- Complete modeling exercise
- Answer questions 1 and 2

1. EXPERIENCE 1

- Read p. 36-40
- Answer questions 3-7

2. EXPERIENCE 2

- Read p. 41-54
- Answer questions 8-18

3. EXPERIENCE 3

- Read p. 55-62
- Answer questions 19-23

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

- Inquiry Lab
- Virtual Lab

5. COMPLETE ASSESSMENT, p. 63, Answer questions 24 and 25

Weeks 3-4

INVESTIGATION 3, p. 65

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

1. EXPERIENCE 1

- Read p. 66-79
- Answer questions 3-14

2. EXPERIENCE 2

- Read p. 80-94
- Answer questions 15-25

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

- Inquiry Lab
- Virtual Lab

4. COMPLETE ASSESSMENT, p. 95, Answer questions 26 and 27

VOLUME 1, INSTRUCTIONAL SEGMENT 2: Atoms, Elements, and Molecules

Read p. 96-97, answer the **Anchoring Phenomenon** question on p. 97

INVESTIGATION 4, p. 99

- View Investigative Phenomenon video
- Complete modeling exercises
- Answer questions 1 and 2

1. EXPERIENCE 1

- Read p. 100-109
- Answer questions 3-14

2. EXPERIENCE 2

- Read p. 110-115
- Answer questions 15-18

3. EXPERIENCE 3

- Read p. 116-120
- Answer questions 19-21

4. EXPERIENCE 4

- Read p. 121-128
- Answer questions 22-27

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

- Inquiry Lab
- Virtual Lab

6. COMPLETE ASSESSMENT, p. 129, Answer questions 28-30

Weeks 5-6

INVESTIGATION 5, p. 131

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

1. EXPERIENCE 1

- Read p. 132-137
- Answer questions 3-7

2. EXPERIENCE 2

- Read p. 138-143
- Answer questions 8-11

3. EXPERIENCE 3

- Read p. 144-152
- Answer questions 12-19

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

- Inquiry Lab
- Virtual Lab

5. COMPLETE ASSESSMENT, p. 153, Answer questions 20 and 21

INVESTIGATION 6, p. 155

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

1. EXPERIENCE 1

- Read p. 156-164
- Answer questions 3-9

2. EXPERIENCE 2

- Read p. 165-168
- Answer questions 10-13

3. EXPERIENCE 3

- Read p. 169-178
- Answer questions 14-20

4. EXPERIENCE 4

- Read p. 179-184
- Answer questions 21-24

5. EXPERIENCE 5

- Read p. 185-194
- Answer questions 25-34

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

- Inquiry Lab
- Virtual Lab

7. COMPLETE ASSESSMENT, p. 195, Answer questions 35 and 36

Weeks 7-8

VOLUME 1, INSTRUCTIONAL SEGMENT 3: Understanding Chemical Reactions

Read p. 197, answer the **Anchoring Phenomenon** question on p. 197

INVESTIGATION 7, p. 199

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

1. EXPERIENCE 1

- Read p. 200-212
- Answer questions 3-13

2. EXPERIENCE 2

- Read p. 213-223
- Answer questions 14-21

3. EXPERIENCE 3

- Read p. 224-235
- Answer questions 22-25

4. EXPERIENCE 4

- Read p. 229-235
- Answer questions 26-31

5. EXPERIENCE 5

- Read p. 236-248
- Answer questions 32-41

6. EXPERIENCE 6

- Read p. 249-258
- Answer questions 42-50

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

- Inquiry Lab
- Virtual Lab

7. COMPLETE ASSESSMENT, p. 259, Answer questions 51 and 52

INVESTIGATION 8, p. 261

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

1. EXPERIENCE 1

- Read p. 262-270
- Answer questions 3-12

2. EXPERIENCE 2

- Read p. 271-279
- Answer questions 13-19

3. EXPERIENCE 3

- Read p. 280-290
- Answer questions 20-31

4. EXPERIENCE 4

- Read p. 291-300
- Answer questions 32-43

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

- Inquiry Lab
- Virtual Lab

6. COMPLETE ASSESSMENT, p. 301, Answer questions 44 and 45