

## MODESTO CITY SCHOOLS COURSE OUTLINE

<b>Course Title</b>	Comprehensive Science I – Gr 6 OLL
<b>Course Number</b>	OLL (S1) OLL (S2)
<b>Recommended Grade</b>	<input type="checkbox"/> K <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> 6
<b>Duration</b>	<input type="checkbox"/> Quarter <input checked="" type="checkbox"/> Semester
<b>Credit</b>	<input type="checkbox"/> 2.5 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 10
<b>Repeatable for Credit</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Required for Graduation</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Meets Graduation Requirement</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>CALPADS Course Number</b>	9320
<b>CALPADS Course Name</b>	Science (Departmentalized K-6)
<b>Meets UC/CSU Requirements</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, which area? <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G N/A
<b>CTE Course</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>CTE Course Level</b>	<input type="checkbox"/> Introduction <input type="checkbox"/> Concentrator <input type="checkbox"/> Capstone N/A
<b>Part of a Course Pathway</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, which pathway?
<b>Credential Requirements</b>	
<b>Replaces</b>	N/A
<b>Recommended Prerequisites</b>	
<b>Aligned to Standards Date</b>	
<b>Content Delivery Method</b>	<input type="checkbox"/> Instructor Led <input checked="" type="checkbox"/> Online Provider Modesto Virtual Academy
<b>Other Information</b>	
<b>Board Approval Date</b>	
<b>Implementation Date</b>	Fall 2020

**Course Description:**

**Required Text(s):** (Title, Publisher, Year):

**Supplementary Materials(s):**



**Course Name:** Middle School Comprehensive Science I v18

**Course Credit:** 1.0

**Course Estimated Completion Time:** 28 - 32 weeks

**Course Description:** Middle School Comprehensive Science I is the first in a series of three consecutive science classes. It introduces middle school students to the disciplines of life science, physical science, and earth-space science. In addition, technology, engineering, and mathematics (STEM) concepts are integrated throughout the course. The lessons make real-world connections and require students to apply STEM skills like analysis, problem solving, science knowledge, and engineering practices. Hands-on and laboratory investigations are included throughout the course to provide students opportunities for exploration through scientific inquiry, research, measurement, problem solving, and experimental procedures. By the end of the course, students will be practicing, experimenting, thinking, and talking like a scientist!

**Prerequisites:** None

**Honors Lessons:** Yes

**Course Profile (Includes Honors, if applicable)**

Type of Assessment	Quantity	Location(s)
Teacher-graded	21	01.02, 01.05, 01.07, Seg 1 Collab, 02.03, 02.04, 02.07, 03.01, 03.03, 03.05, 03.07, 04.02, 04.03, Seg 2 Collab, 05.03, 05.04, 05.05, 06.01, 06.03, 06.05, and 06.06
Auto-graded	18	
Partial Auto-graded	12	01.01, 02.06, 02.08, 03.02, 03.04, 03.06, 03.08, 03.09 (Part Two), 05.02, 05.06, 06.07, 06.08 (Part Two)
Discussion-Based (DBA)	6	01.07, 02.07, 03.07, 04.05, 05.05, and 06.06
Collaboration	2	
Project-based	8	02.03, 03.01, 03.03, 04.03, 05.03, 05.04, 06.01, and 06.05
<b>Total Assessments</b>	<b>51</b>	

**Types of Assessments (Includes Honors, if applicable)**

Type of Assessment	Available	Type of Assessment	Available
Multiple Choice	Yes	Essay	Yes
Worksheets	Yes	Collaborative	Yes
Web 2.0	Yes	Short Response	Yes
Project - Based	Yes	Labs	Yes
Self - Check	Yes	DBAs	Yes

## Scope and Sequence

### SEGMENT 1

#### Module 01—Force and Energy

- Gravitational Law
- Types of Forces
- Balanced and Unbalanced Forces
- Speed and Motion
- Graphing Speed
- Energy Transfer

#### Module 02—The Earth

- Landforms
- Weathering and Erosion
- Shaping the Surface
- Spheres of Earth
- Heat Transfer
- Advanced Heat Transfer Through Earth

#### Module 03—The Atmosphere

- Energy and Temperature
- Weather and Climate
- Global Weather Patterns
- The Water Cycle and Its Effects
- The Atmosphere and You
- Advanced Predicting Severe Weather

### SEGMENT 2

#### Module 04—Cells and Life

- Organization of Organisms
- Cells and the Structure of Life
- Cell Structure and Functions
- Advanced Prokaryotes and Eukaryotes

#### Module 05—Classifying Life

- Maintaining Balance

- Advanced Cell Cycle and Mitosis
- Classification
- Keys and Kingdoms

#### Module 06—Body Systems

- Nervous and Musculoskeletal
- Endocrine and Reproductive
- Digestive and Excretory
- Respiratory and Circulatory
- Infections and Health