

**CERES UNIFIED SCHOOL DISTRICT
Elementary Summer School Session 1
Enrichment Unit Description**

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Summer Site: Adkinson

Summer Grade: 2/3

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In-District: Yes or No
(Highlight one)

Out-of-District: yes or no
(Highlight one)

Please describe below in one or two paragraphs your plan for your enrichment unit during Elementary Summer School Session 1. If you planning one or more enrichment units/activities please describe each one. All enrichment activities must have a literacy component. Include in your description how you will integrate literacy into your enrichment activity (ex. vocabulary development, writing, and/or reading). Your description must support the items you have chosen to be purchased on the attached order forms.

Enrichment Unit Description:

The “Science Extravaganza” will enrich students with hands-on fun and experience with science experiments that cover five different fields of science: **Astronomy, Biology, Chemistry, Earth Science, and Physics**. These experiments are designed to show students that science is more than a list of facts- **science is fun!** These quick, easy, and low-cost science experiments will show students how to identify the: **Purpose, Materials, Procedure, Results, and Explanation of Why the results were achieved during the experiments;** students will write these steps in order in their science journals; and define the field of science (e.g. **Astronomy**) the experiment represents. These steps will cover the literary component of the enrichment program; through learning how to write the different steps taken in performing science experiments, and through science vocabulary development (learning the definitions/meanings of the different fields of science).

Day 1: Students share their definition of science; and science around us (briefly). Then we define the study of **Biology**. **Then students will perform an experiment that emphasizes on the process of “osmosis,” called “Fluffy Raisins” (let the raisins stand overnight). Materials needed: plastic cups; and a box of raisins.**

Day 2: Students will evaluate the raisins and the achieved results. Students will perform another biology experiment called “**Bread Mold.**” This experiment models the formation of mold; and it being a form of fungus. **Materials needed: Ziploc bags, bread slices and a few eyedroppers.**

Day 3: We will define the study of **Astronomy**. **Then students will perform an experiment called “Quicker,” under the study of Astronomy. This experiment models how distance affects a planet’s period of revolution. Materials needed: modeling clay, meter stick, and ruler.**

Day 4: We will perform the experiment “**Red Spot**” as a class under the study of **Astronomy**. **This experiment demonstrates the movement in Jupiter’s red spot. (Briefly explain Jupiter’s red spot). Materials needed: wide-mouthed jar (1 gal); 1 tea bag; pencil.**

Day 5: We will define the study of **Chemistry**. **Then students will perform an experiment called Kerplunk! This experiment demonstrates inertia, a property of matter (briefly define matter; and inertia). Materials needed: index cards, drinking glass, and nickels.**

Day 6: We will perform an experiment called “Foamy Soda” it also falls under the study of Chemistry. This experiment demonstrates gas bubbles being pushed out of a soda by particles of salt. This experiment shows students that each bubble is a collection of carbon dioxide gas; and salt and carbon dioxide are both examples of matter; and matter takes up space. **Materials needed:** small baby food jar; soda; and table salt.

Day 7: We will define the study of “Earth Science.” Then students will perform an experiment called “Folds.” This experiment demonstrates how compressional forces affect crustal movement. **Materials needed:** paper towels; plastic glasses.

Day 8: We will perform another experiment under the study of Earth Science called “Bump.” This experiment demonstrates the forward movement of wave energy. **Materials needed:** book, 6 marbles.

Day 9: Last day of Enrichment! So we will make it fun for the students. We will define the study of Physics. We will perform an experiment called Explosive. I will bring my hot-air popcorn popper. **Materials needed:** unpopped popcorn; popcorn oil; seasoning; and Ziploc bags. This experiment demonstrates why popcorn pops; and the changes that take place in the popping process that are considered an explosion.

**CERES UNIFIED SCHOOL DISTRICT
WAREHOUSE SUPPLY ORDER FORM**

SITE: _____ DATE: _____

CODE: _____ NAME: _____

please include dashes ("-") as part of the code

APPROVED BY: _____

CATEGORICAL SCHOOL PLAN REFERENCE: _____

ED. SERVICES APPROVAL: _____

NOTE: Classification code MUST be complete or order will be returned.

CODE #	QTY	FILLED	UNIT	UNIT COST	TOTAL	DESCRIPTION
CK-002	10			1.21	12.10	CRAYOLA MODELING CLAY
RU-013	10			0.18	1.80	PLASTIC RULER
RU-018	10			0.70	7.00	YARD STICK
BO-002	2			7.13	14.26	CLASSMATE COMPOSITION BOOK
WH-002	1			2.31	2.31	EXPO 4 COLOR SET
WH-004	2			1.25	2.50	DRY ERASER
PE-002	4			0.89	3.56	#2 PRE-SHARPENED PENCILS
PE-045	2			2.24	4.48	FLUROSCENT YELLOW HIGHLIGHTERS
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