

**A Collaborative Unit**  
**Library/Technology/Classroom**  
**Villarreal**  
**5th**

**Topic / Title / Theme:**

Rock Cycle

**Goal:**

Students will relate rock cycle and rock formation with a particular state.

**Objectives:**

1. Locate and name the fifty states.
2. To use research steps and note-taking techniques to gather information for a final project including bibliography.
3. Describe some cycles, structures and process
4. Understand that landforms are the result of constructive and destructive forces.
5. I identify physical characteristics of landforms
6. I identify renewable and nonrenewable resources for the region.

**Student activities to meet objectives:**

1. Students complete Technology project on Sedimentary Layers.
2. Class discussion of Rock Cycle. Identify 3 types of rocks in cycle.
3. Student is assigned a state to research.
4. Find resources in library and computer lab.
5. Students will do the first 3 steps of Big6 to determine the direction of their research.
6. Remaining Big 6 steps will be utilized during research.
7. Review and practice note-taking and bibliography.
8. Students will locate the year and order in which their state obtained statehood.
9. Students will locate renewable and nonrenewable resources for their state.
10. Students locate a rock formation in their state and explain how it was formed, the type of rock present, and where it can be found in the state.
11. Class will construct a scaled map in which they will add their state. Each state should be decorated to exhibit the information.
12. Students will present their state to the class and allow time for discussion.

LIB	CIT	Teacher	<u>Task / Notes:</u> <u>Who is responsible?</u>
		*	<u>Supplies:</u> Rock samples Note taking paper Detailed example of rock cycle Paper 11X17 for state
*			<u>Print Resources:</u> Encyclopedia Books
	*		<u>Non-Print Resources: (websites, videos)</u> Internet Search Engines
	*	*	<u>Technology:</u> Power Point Internet
*			<u>Instruction: (Librarian)</u> How to use an index, note-taking skills, locating a book using the Dewey decimal system
		*	<u>Instruction: (Teacher)</u> Background information on rocks Rock Cycle
		*	<u>Evaluation / Assessment:</u> Rubric Evaluate completed assignment

Notes:

**Inter-Disciplinary connections:**

Math: decimal point

Science: rock cycle, landforms

S.S.: 50 states, map skills

L.A.: Bibliography, Communication skills

Music:

Art:

Other:

Student Outcomes; (What is the final product?)

Oral presentation with student decorated state poster.

Assessment and Evaluation: (Attach rubric if used)

Rubric

Standards Met:

NISD Soc. Studies I I A,B Science I I B,C LA I V C,D,E LA V I I I A-F  
TEKS Science 2 (5.5)A 4(5.12)A 4(5.11)B,C 4(5.6)A 4(3.11)A  
LOTI (Level of Technology Implementation) 3

Other

## TIMELINE

### Planning, Organization, Implementation, Post-Evaluation

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	Team Planning 1/13			Introduction to unit on Rock Cycle 1/17	
Week 2	Begin unit with class discussion	1/21 ----->			1/24
Week 3	Index skills and library research 1/27	----->			1/31
Week 4	TIF Lab for computer research 2/3	----->			2/7
Week 5	Create Project 2/10	----->			
Week 6		Presentations 2/18 ----->			

Week 7					
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