



# Sharp Geologic Insights

When did Geology capture your soul? Was it while reading a book or standing next to an outcrop? We bet **outcrop**. Outcrops tell a geologic tale more powerfully than any book or article. How impactful would it be if your students could go from lecture to outcrop and see for themselves the geologic tale. Unfortunately, no single outcrop exhibits all the geologic concepts we would want our students to grasp and often there are no outcrops for miles around. Now we can change that!

## The First Geology Rock Wall

In 2016, the faculty at Lone Star College – University Park had an idea, **BRING THE OUTCROP INSIDE**. Starting from the faculty's initial diagram, we designed and built a stunning 3 story Geology Rock Wall. This L-shaped wall allows students to put into practice what they have just studied. Now at Lone Star College, students decipher the deposition, faulting, folding, tilting, erosional, and intrusive events to arrive at their own interpretation of the Geology Rock Wall. While the wall was built for education, it is also a work of art.



Lone Star College – University Park's 3 story Geology Wall



# Top 3 Reasons for a Geology Rock Wall

1. Students can immediately see, relate and understand geologic concepts from Lecture and Lab.
2. It becomes your most powerful teaching tool.
3. Eliminates the need for field trips. No more bus rentals, planning, access requests, extra insurance or other field trip headaches.



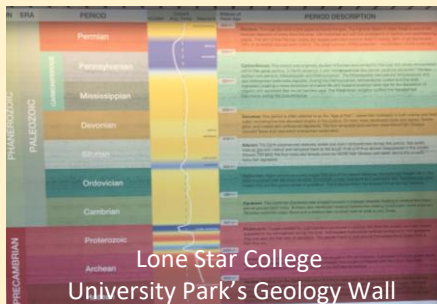
## Simple or complex. Natural or polished stone.

How would you like us to design and build your Wall? Each wall is as unique as a snowflake. No two are the same. We can create designs for one wall, multiple walls, or go bold and put Walls on either side of a hall with a map view on the floor between. Between the space available and the numerous geologic possibilities, your Wall will be a one of kind teaching tool.

The variations within natural stone will give your students the feel of actual outcrop. But if you want a Wall that makes Art equal to Function, we can design a wall using only polished stone that is still geologically accurate but that really stands out.

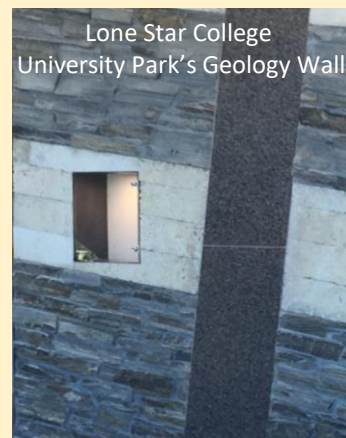
# Ways to Customize your Geology Rock Wall

- Anticlines
- Recumbent Folds
- Dipping Beds
- Normal Faults
- Growth Faults
- Dikes & Sills
- Different Rock Types: sedimentary, igneous, metamorphic
- Contact vs. Regional Metamorphism
- Apparent vs. Actual Dip
- Stratigraphy
- Mimic a Known Outcrop
- Illustrate Hydrocarbon Migration/Traps
- Graphics



- Go Big with Plate Tectonics: subduction zones, spreading centers, continental collisions
- Display Geologic Videos using an Inset Monitor and Control Pad
- Multiple Integrated Walls

- Synclines
- Unconformities
- Reverse Faults
- Strike-Slip Faults
- Batholiths
- Variations in Lithology: quartz vs. arkose sandstone
- Channels: shale or sand filled
- Aquifers
- Space for Display Cases



- Inset College Name, Logo or Donor Name (example done with Ilanite in granodiorite)



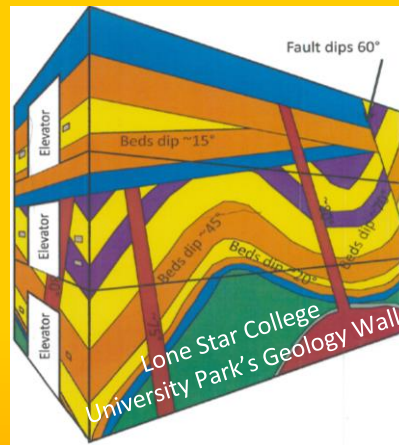
# Creating Your Geology Rock Wall

## Planning Phase

1. Request bid
2. Identify Wall location
3. Interview faculty for included geologic concepts
4. Choose natural or polished stone
5. Bid submitted and approved

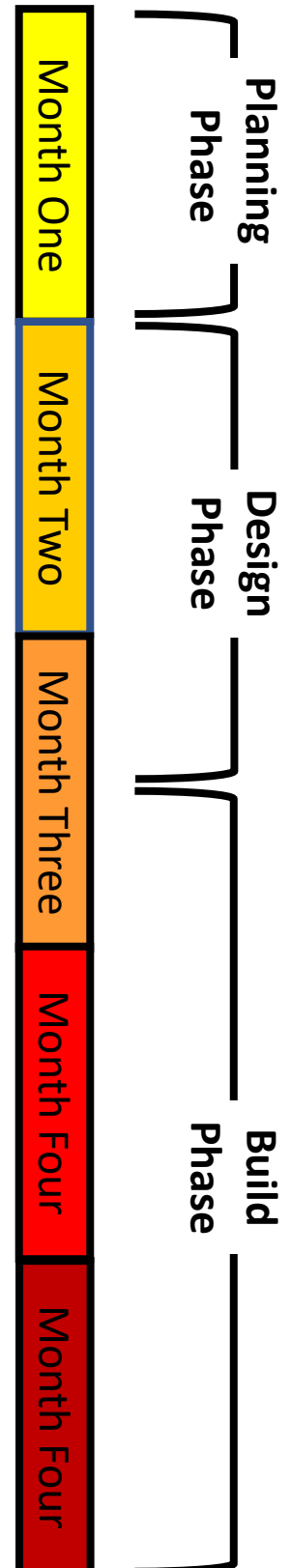
## Design Phase

1. Create concept model



2. Align with faculty on concept model
3. Select stone material for each layer and align with faculty on selection
4. Create detailed final model with all required measurements, angles and stone.
5. Approval by faculty and any required administrator(s) on final model selection

(Each Geology Rock Wall is a unique design to fit a specific space, this timeline is for concept purposes only. Detailed timeline to be included with Bid.)





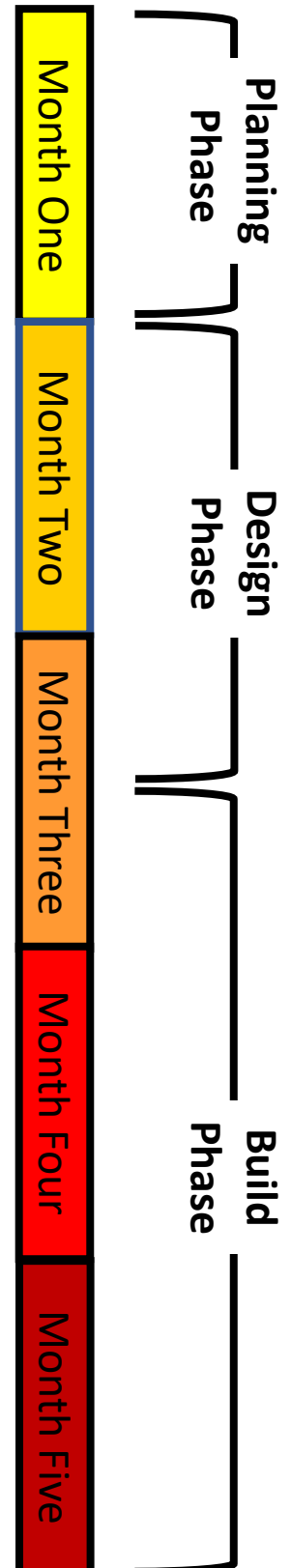
# Creating Your Geology Rock Wall

## Build Phase

1. Permitting
2. Demo (if any required)
3. Install backerboard to frame or supports
4. Install stone and customize mortar to match stone as needed.
5. A Geologist will oversee the stone installation to ensure accuracy to final model.



(Each Geology Rock Wall is a unique design to fit a specific space, this timeline is for concept purposes only. Detailed timeline to be included with Bid.)





# Sharp Geologic Insights

- 1. Vastly improve your student's comprehension as they see the geologic concepts immediately after learning about them in Lecture or Lab.**
- 2. Get the most powerful geologic teaching tool possible, your own customized outcrop.**
- 3. Eliminate the need for field trips and all the complications/costs they entail.**

Call or email today and let's begin the discussion on your customized Geology Rock Wall.

Bill Sharp, President – Sharp Geologic Insights, LLC

713-560-4359

[bill.sharp@sharpgeologicinsights.com](mailto:bill.sharp@sharpgeologicinsights.com)

[www.sharpgeologicinsights.com](http://www.sharpgeologicinsights.com)