Goals

- Become independent thinkers
- Keep Curious
Goals:
- Create critical thinkers and problem-solvers
- Apply skills to the world around them (understanding)
Team ASKK

1. Spark Curiosity to Ask Questions and develop Solutions

2. Develop analytical thinking Skills
What’s Important
- Understand world around them
- STEM is the future
- Intelligent members of society

Goals for our students-
- Become stewards of our Natural Resources
- Have a sense of wonder
- Ask questions, explore
Don't Get SCAMMED!

- ask good questions
- think critically, weigh evidence
- find things out
- mechanical aptitude
- observe the world
- create new information; don't just blindly consume
Goals:
- be critical thinkers + evaluate fact
- Awareness of themselves the world around them
- Spark inquiry beyond classroom
Goals:
- Be critical thinkers and evaluate fact
- Awareness of themselves and the world around them
- Spark inquiry beyond the classroom
RELATED PHENOMENA

**Experience**
- Volcano eruption
- Gophers digging mounds + holes in yard

**Cause**
- New land created
- Sand dune move
  - Wind moves the dune
Growing and Moving

- Explaining
  - How did Everest originally form?
  - Why doesn't Mt. Everest fall over?
  - How would an existing Mt. Niden cause?

- Plated forces
  - Moving mountain?
  - What is different about this plate?

- NE widening?
  - Why are volcanoes at the top of mountains?
  - Why are earthquakes at the top of mountains?

- Garbage piling up
  - Is there a gap as to how high a mountain can get?

- Pushing on the cause of movement
  - What is causing the movement of the mountain?
  - How do you start moving a plate?

- Erosion effect on plate movement
  - Changing movement at different rates

- Why do the youngest rock go so fast?
Shrinking & Moving

- Are mountains always measured from sea level?
- How often is the data taken?
- Why are the Appalachian and Madison Mountains so much older than all of the other ranges?
- Do mountains grow? How can we prove this by finding places where it has happened?
- How does a mountain move?
- How can the mtn. ranges tell us about our past?
- What can the mtn. ranges tell us about our past?
- How has technology for measuring movement changed?
Phenomena

Initial ideas - all ideas are valued and

students share own or someone else's (less scary)

but not "judged" as good/bad

students notice they have "gaps" in understanding and that is not scary

I have something to contribute

something I have noticed/caught

my interest

Personal investment

Not yet right/wrong

specialized language