

# Telling Stories in Science

*Igneous Rocks and My Dad's Heart Attack*

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## Definition and Occurrence of Felsic Rocks

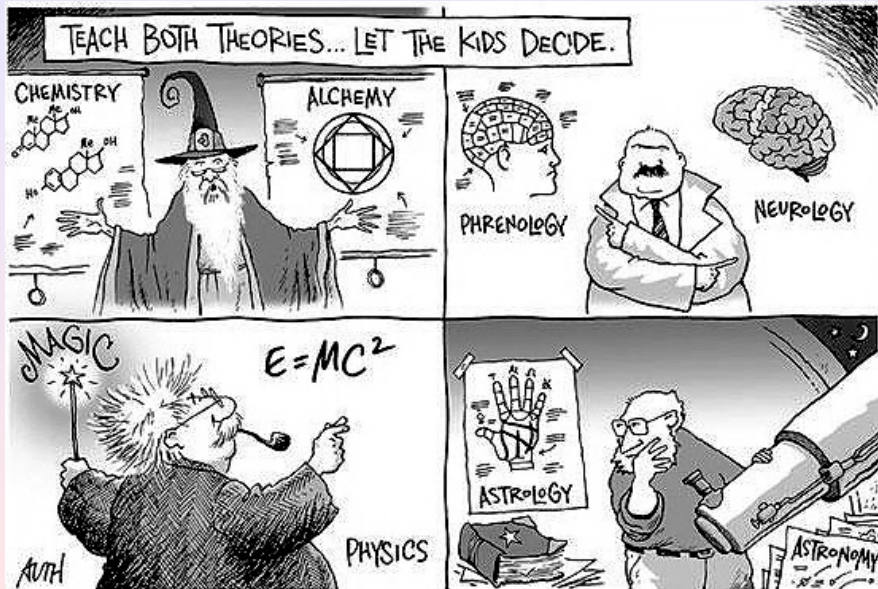
- Felsic rocks are silicate rocks with more than 63% silica content by weight.
- They are light colored and low density.
- They melt at relatively low temperatures.
- Their magma has high viscosity.
- They occur mostly on continents.
- Example: granite.



Are your eyes glazing over yet?



# The State of Science Education



8-4-05 THE PHILOSOPHY INQUIRER, UNIVERSAL PRESS SYNDICATE.

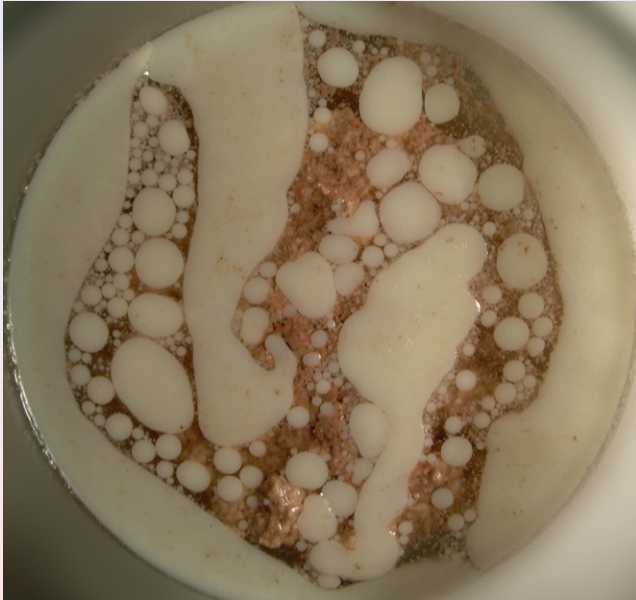
# My father in his World War II uniform



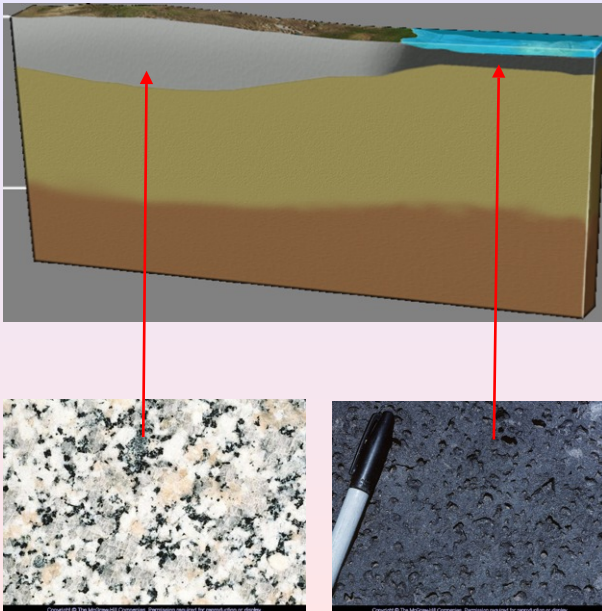
# Married life



# Cutting the fat



# Mafic and Felsic Rocks: Living on the fat of the land





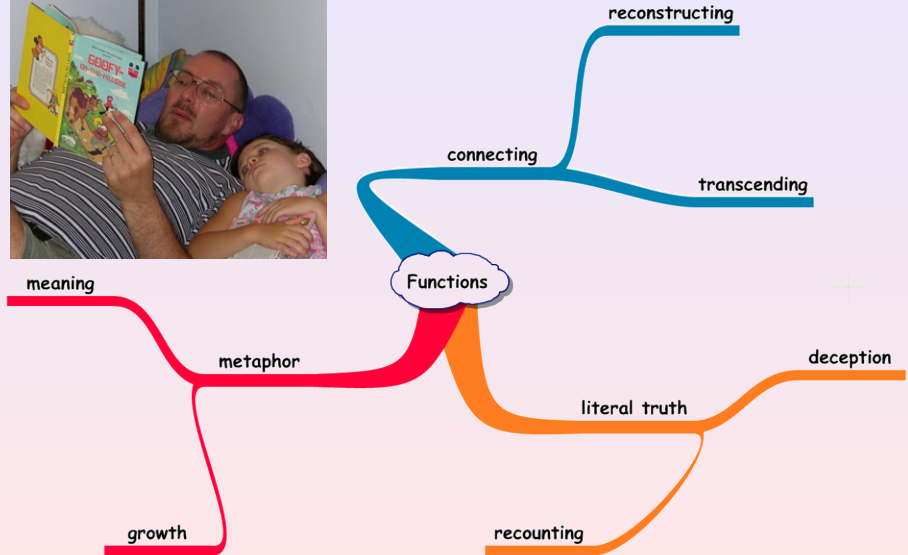
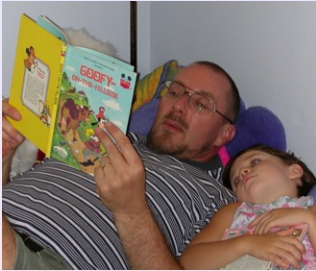
# The Key Concepts: Differences in mafic and felsic rocks

Property	Felsic (fat)	Mafic (meat)
color	lighter	darker
melting point	lower	higher
density	less (continents)	more (ocean bottoms)



“Scientists tend to react in horror to the suggestion that their results can be rendered as **mere stories**. But what’s wrong...with **good writing?**”

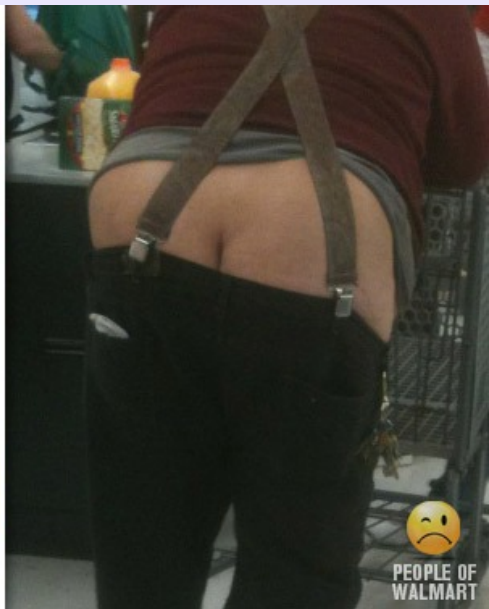
# Multiple functions of stories



So, what are the risks?



“We need to cover it all!”



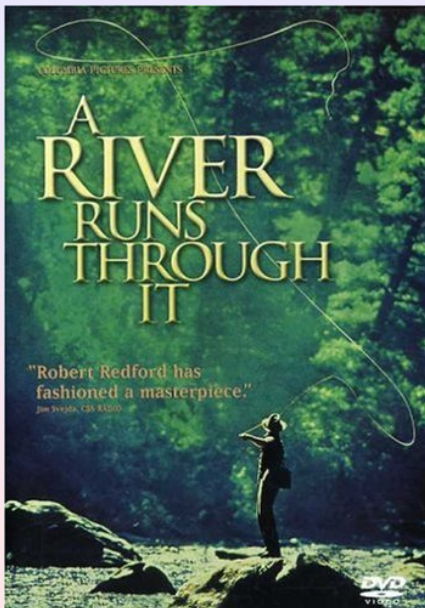
PEOPLE OF  
WALMART

# What are the benefits?

- Student engagement
- Showing how things are related

Now we're *really*  
kissin' cousins!





"All there is to thinking is seeing something noticeable which makes you see something you weren't noticing which makes you see something that isn't even visible."