

## The Scientific Revolution

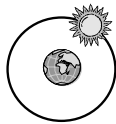
- before SR, knowledge often based on superstition/belief
  - disagreeing w/Catholic Church = heresy
- Q: What effect could this have on people trying to learn new things?

## The Scientific Revolution

- ex. Copernicus - kept heliocentric theory to himself
- Q: Any guess what heliocentric means?
- Here's a hint...

## The Scientific Revolution

- heliocentric = sun is center & planets orbit around it
  - church said earth was center
- Q: Why would Copernicus keep his idea to himself?



## The Scientific Revolution

- opposite of basing ideas on belief = using reason
- Q: What would using reason mean?
- reason = using logic & observation to figure something out
- Q: Give me an example of using reason?



## The Scientific Revolution

- scientific method (Francis Bacon)  
=use measurement & reason  
not belief/superstition
- Q: Think about science class.  
What do you do when conducting an experiment?  
Why do you do experiments?

## Reflection:

- Before SR, knowledge based on:
- During SR, knowledge based on:
- Which do you think is better? Why?