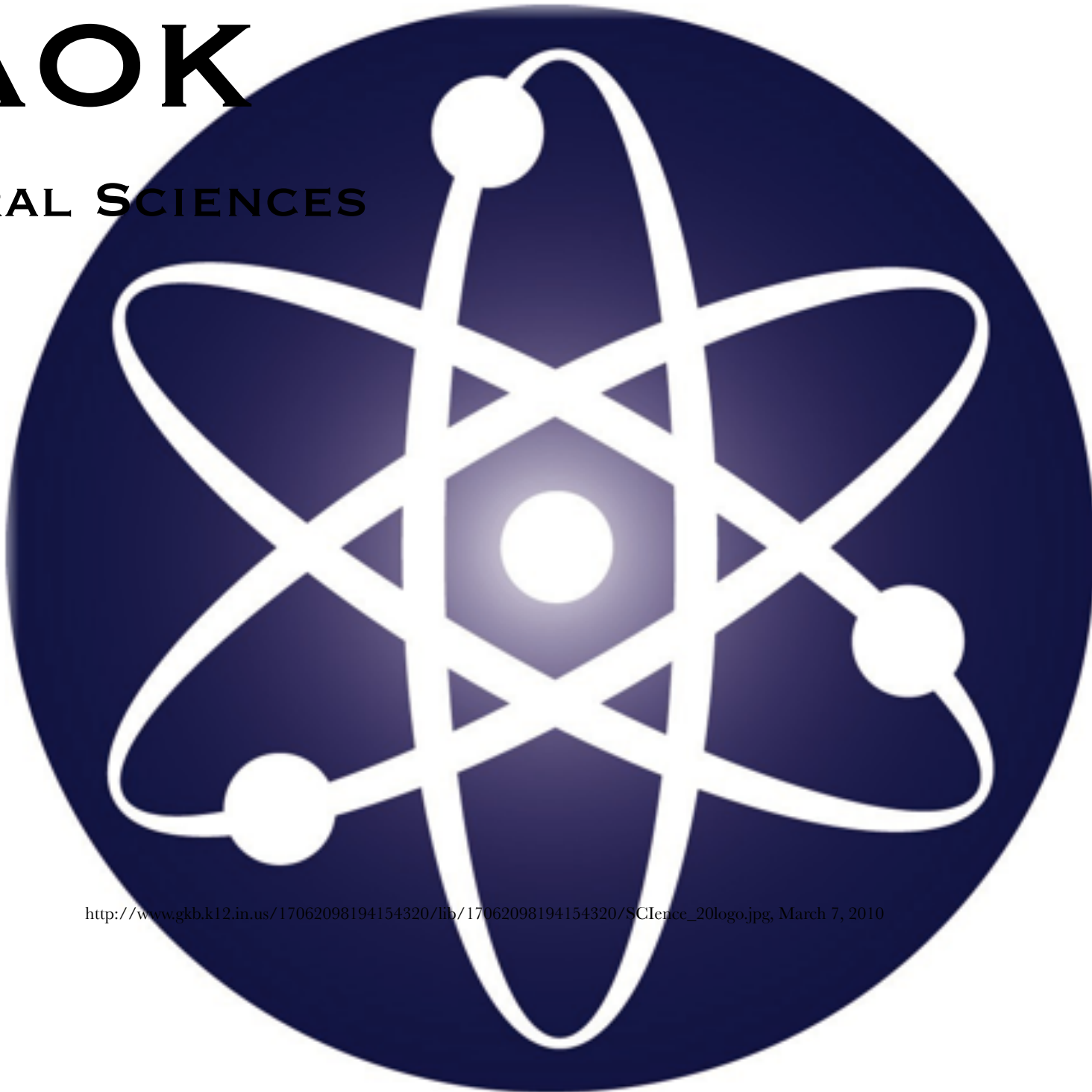


AOK

NATURAL SCIENCES



http://www.gkb.k12.in.us/17062098194154320/lib/17062098194154320/SCIENCE_20logo.jpg, March 7, 2010

KNOWLEDGE ISSUES? KNOWLEDGE CLAIMS?

- Why are the Natural Sciences, rightly or wrongly, often thought to be the ultimate form of objective and rational inquiry in western culture?
- Why do we say we *prove* concepts in the Natural Sciences?
- How can Natural Sciences explain the world? What is the value of simplification in experimentation in order to do this?
- How do we resolve different results, or contrary results, when determining knowledge claims?
- How much evidence is required to support a theory? What is the difference between a scientific fact and theory?

PERSPECTIVES

- Kuhn - *Paradigms*
- Popper
- Layperson
- Richard Feynman
- Truth...



LINKS TO OTHER AOK



- How do Politics, Ethics and Economics affect the acquisition of knowledge in the Natural Sciences?
- Can one have faith in the Natural Sciences as well as in Religion?

http://thegooddoctorio.files.wordpress.com/2009/03/wired_science_religion.jpg, March 2, 2010

LINKS TO OTHER AOK



- What are the moral responsibilities of a scientists?

LINKS TO OTHER WOK

- Consider how perception and reasoning affect how we determine knowledge.
- What role does language play?
- What do the Natural Sciences tell us about emotion?



http://healthday.images.worldnow.com/images/11504960_BG1.jpg

AT THE CONCLUSION OF THE UNIT YOU WILL BE ABLE TO...

- Understand the challenges in the Natural Sciences within the context of our society.
- Link back to your own Natural Sciences subject and be able to apply your understanding within that class.