

Student Learning outcomes for Exploring Physical Science

Introduction: In any area of learning there is understanding both the methodology of the discipline and content. Often there is a trade-off of depth versus breadth: One can get an introduction to a broad area or acquire depth in a much narrower area and each approach has something to offer. In the area of Exploring the Physical Sciences, we've identified five desired learning outcomes:

1. Students will understand the basic properties and principles of matter.
2. Students will understand the creative and systematic aspects of scientific method.
3. Students will understand the power of theory and prediction within the framework of empirical/experimental modes of inquiry.
4. Students will gain a greater understanding of the relationship between faith and science both historically and in the current culture.
5. Students should begin to understand enough about science to intelligently read about, understand, and form opinions on science related issues that affect our society.