

AP Physics Summer Reading: Completed reading and writing assignment due first day of class. We will be discussing some of the ideas as a group within the first week of class.

1. The Canon: A Whirligig Tour of the Beautiful Basics of Science by Natalie Angier

a. Read the Introduction through chapter 4

Answer the following reflection questions:

- i. Natalie Angier speaks of the ‘reasons for studying science’. What are your reasons for wanting to pursue science, in particular AP Physics 1 this year? What excites you about the study of science in general?
- ii. Compare/contrast how Natalie Angier defines ‘thinking scientifically’ and what most textbooks define as the ‘scientific method’ of thinking.
- iii. A science course such as Physics depends heavily on numerical data collection and analysis. We often talk about the possibilities of things happening and the probability of things happening. As you read through the section on probabilities what surprised you the most and why?
- iv. Physics is often defined as the science of ‘How things Work’ After reading Natalie Angier’s chapter on physics, how would you define physics.