

Homework Assignment #1 (2 pts)

Why do some students find science hard? By Richard Feynman

Due on Monday September 4th / Tuesday September 5th

The video is posted on [www.mc3cb.com](http://www.mc3cb.com) - Lecture Unit One Chapter One

Video Length (60 minutes)

1. What makes science difficult for some people?
2. What happens to atoms when they are heated or cooled?
3. A bouncing ball has energy but as it continues to bounce it will eventually settle on the floor. What happened to the energy? Can the lost energy be measured? How?
4. Where do trees come from?
5. Where does the light from the fire come from?
6. Who was the scientist and when did he provided the mathematical proof for the electro-magnetic effect?
7. Why is it so difficult to understand the structure of an atom? How does Dr. Feynman use an apple to explain the size of an atom?
8. What type of star did Oppenheimer and Volkov discover?
9. Are there only “miracle people” capable of working in the field of science? What must you do to work in this field?
10. What does Dr. Feynman think about “Natures Imagination”?