The classic book “Cartoon Guide to Physics” has been around a long time and covers all the essential areas of physics (beyond those addressed in the AP 1 course). Summarizing both the storyline and the science of each chapter 1-11, 15 and 16 is your main task. 40 points. A sample chapter summary is below.

Your secondary task is to make a small cartoon of your own that illustrates some aspect of physics, in a different style than that of the book. Use your imagination and creativity! 10 points.

It’s available free to read online at
https://archive.org/details/The_Cartoon_Guide_to_Physics_by_Larry_Gonick/page/n19/mode/2up

If you wish to buy the book, Here is the Amazon link
https://www.amazon.com/Cartoon-Guide-Physics/dp/0062731009/ref=sr_1_1?s=books&ie=UTF8&qid=1528328725&sr=1-1&keywords=Gonick+cartoon+physics

Sample chapter summary.. chapter 20 Special Relativity

Lucy and Ringo are conducting experiments with charges in motion and magnetic fields. They figured out in a prior chapter how the two affect each other in normal lab situations. Now they conduct similar experiments but they note how the same phenomenon yields different apparent results depending on the observers point of view. This is the hallmark of relativity. Continuing onward, the experiments extend into measurement of time by different observers of the same event. The punch line at the end is a summary of the most frequently cited conclusions of special relativity: time dilation (time moves more slowly when moving very fast), length contraction (moving sticks appear shorter) , and mass increase for high speed objects. All of these conclusions have been proven experimentally.