**KVA AP PHYSICS I SUMMER ASSIGNMENT 2019**

Hello,

Welcome to AP Physics! In order to maintain your skills and think deeply about physics, the following summer assignment is due the first week of school.

**Part 1 – Dan Fullerton’s Physics videos**

<https://www.youtube.com/playlist?list=PLd2HWlWc-MsysWuL9ksneEM8cl5bk3bHH>

After watching each short video, please write down key ideas from each video section and two (2) sample problems.

Title Time Title Time

Significant Figures 3:45 Metric System 15:10

Vectors and Scalers` 15:08 Defining Motion 10:57

Graphing Motion 14:01 Kinematic Equations 10:56

Free-Fall 17:09

**Part 2 – Reading**

Read a non-fiction book about any topic you enjoy in physics. In one page discuss main themes. You will share your ideas in the Physics Book club the first week of school.

Suggestions:

Authors – Neil de Grasse Tyson, Michio Kaku, Stephen Hawkins, Brian Green, Issac Asimov and many more.

Book examples – *The Physics of Starwars*, *Hyperphysics*, *Physics of the Impossible*, *The Jazz of Physics, The Physics of Baseball,* and many more.

Check the Public library.

**Part 3 – Organize your study group**

I am looking forward to our class,

Connie Johnson