

## 11<sup>th</sup> Grade Science Summer Assignment

The first three video assignments are for All Students. (#1-2) The bottom portion (#3) is mandatory for students who are going to take AP Physics.

<https://www.gpb.org/physics-in-motion/unit-1/graphing-relationships>

<https://www.gpb.org/physics-in-motion/unit-1/scientific-notation-and-unit-conversions>

<https://www.gpb.org/physics-in-motion/unit-1/significant-figures>

1. Watch the videos from the links above. As you watch the video, complete the Cornell Notes found in the Toolkit section (under the video) and the independent practice Sheets (Lab is optional)

2. Review your metric system knowledge by completing the Metric Prefix game and the Ruler Reading game. (Screen shot your highest score and save in a word document you can email when school begins).

<https://www.thephysicsaviary.com/Physics/Programs/Games/MetricGame/>

<https://www.thephysicsaviary.com/Physics/Programs/Games/RulerUse/>

3. The following is mandatory for AP PHYSICS students only. Complete the Cornell Notes and the Practice Problems found in the toolkit under the videos.

<https://www.gpb.org/physics-in-motion/unit-2/distance-and-displacement>

<https://www.gpb.org/physics-in-motion/unit-2/speed-and-velocity>

<https://www.gpb.org/physics-in-motion/unit-2/graphing-motion>

<https://www.thephysicsaviary.com/Physics/Programs/Games/MotionGraphMatching/>