**AP PHYSICS 1**

**UNIT 1 SYLLABUS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Class #** | **Topic** | **Lab Performed** | **HW** | **Challenge Set Due** | **Quiz****Test** |
|  **2**  | **Building Blocks of Motion** |  | **Read 1.1 – 1.4****CH 1 (Online)****HW #1 (Book)**  |  |  |
| **3** | **Uniform Motion** |  | **Read 2.1 – 2.2****CH 2A (Online)****HW #2 (Book)** |  |  |
| **4** | **Uniform Motion**  | **Lab #1****Uniform Motion** | **Lab Report #1** |  |  |
| **5** | **Motion w/Constant Acceleration** |  | **Read 2.3 – 2.6****CH 2B (Online)****HW #3 (Book)** |  | **Quiz #1****Uniform Motion** |
| **6** | **Motion w/Constant Acceleration**  | **Lab #2****Motion w/Constant Acceleration**  | **Lab Report #2** |  |  |
| **7** | **Free Fall** |  | **Read 2.7****CH 2C (Online)****HW #4** |  |  |
| **8** | **Free Fall** | **Lab #3****Acceleration Due to Gravity** | **Lab Report #3** |  |  |
| **9** | **Projectile Motion**  |  | **Read 3.1 – 3.3****Read 3.6 – 3.7****CH 3A (Online)****HW #5** | **Challenge Set #1 (Due)** | **Quiz #2****Motion w/Constant Acceleration & Free Fall** |
| **10** | **Projectile Motion**  | **Lab #4****Hit The Target** | **Lab Report #4** |  |  |
| **11** | **Circular Motion** |  | **Read 3.8****CH 3B (Online)** |  | **Quiz #3****Projectile Motion**  |
| **12** | **Unit 1 Review** |  |  |  |  |
| **13** | **Unit 1 Test** |  |  | **Challenge Set #2 (Due)** | **Test #1****Unit 1** |

**TEXTBOOK HW ASSIGNMENTS**

|  |  |  |
| --- | --- | --- |
| **HW #** | **CHAPTER #** | **PROBLEM #** |
| **1** | **1** | **46 – 50** |
| **2** | **2** | **7,9,10,11,13** |
| **3** | **2** | **28,29,31,32,35,37,38,55** |
| **4** | **2** | **45,46,51,67** |
| **5** | **3** | **27,28,31,34,35** |