Name: DUE DATE – TEST DATE:

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| --- | --- | --- | --- | --- | --- |
| **Applied Physics**  Motion | | | | | evidence and practice  ASSIGNMENT NUMBERS FROM PORTFOLIO EVIDENCE & PRACTICE LOG |
| Status of Standard | | | | |
| Vocabulary is in bold! | | **Not Yet**  *I have no idea what to do.* | **Proficient**  *I can do it with some help and few mistakes.* | **Advanced**  *I can do it correctly and with confidence.* |
| I can… | |
| 1 | Determine what is needed to describe motion completely**.** |  |  |  |  |
| 2 | Compare and contrast distance and displacement. |  |  |  |  |
| 3 | Describe how you add displacements. |  |  |  |  |
| 4 | Define a **frame of reference** |  |  |  |  |
| 5 | Define **relative motion** |  |  |  |  |
| 6 | Define a **distance** |  |  |  |  |
| 7 | Define a **vector** |  |  |  |  |
| 8 | Compare instantaneous speed with average speed. |  |  |  |  |
| 9 | Construct a distant time graph and find the speed from it. |  |  |  |  |
| 10 | Contrast speed with velocity. |  |  |  |  |
| 11 | Describe the process of adding velocities. |  |  |  |  |
| 12 | Define **speed** |  |  |  |  |
| 13 | Define **average speed** |  |  |  |  |
| 14 | Define **instantaneous** |  |  |  |  |
| 15 | Define **velocity** |  |  |  |  |
| 16 | Describe changes in velocity. |  |  |  |  |
| 17 | Identify acceleration through calculations. |  |  |  |  |
| 18 | Construct a speed time graph and find the acceleration from it. |  |  |  |  |
| 19 | Identify instantaneous acceleration. |  |  |  |  |
| 20 | Define an **acceleration** |  |  |  |  |
| 21 | Define a **free fall** |  |  |  |  |
| 22 | Define an **constant acceleration** |  |  |  |  |
| 23 | Define a **linear graph** |  |  |  |  |
| 24 | Define a **nonlinear graph** |  |  |  |  |
|  |  |  |  |  |  |
|  | **END GOAL** |  |  |  |  |
| 25 | Use all the concepts in this unit to describe, analyze, and persist in solving problems |  |  |  |  |