Name: DUE DATE – TEST DATE:

|  |  |
| --- | --- |
| **Applied Physics** 1 Science Skills | evidence and practiceASSIGNMENT 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 how does the process of **science** start and end**.** |  |  |  |  |
| 2 | Determine the relationship between **science** and **technology.** |  |  |  |  |
| 3 | Identify the branches of natural science**.** |  |  |  |  |
| 4 | Define a **chemistry** |  |  |  |  |
| 5 | Define a **physics** |  |  |  |  |
| 6 | Define a **geology** |  |  |  |  |
| 7 | Define a **astronomy** |  |  |  |  |
| 8 | Define **biology** |  |  |  |  |
| 9 | Describe the goal of the **scientific method.** |  |  |  |  |
| 10 | Determine how a **scientific law** differs from a **scientific theory.** |  |  |  |  |
| 11 | Describe a **scientific model.** |  |  |  |  |
| 12 | Define **observation** |  |  |  |  |
| 13 | Define **hypothesis** |  |  |  |  |
| 14 | Define **manipulated variable** |  |  |  |  |
| 15 | Define **responding variable** |  |  |  |  |
| 16 | Define **controlled experiment** |  |  |  |  |
| 17 | Describe **scientific notation** |  |  |  |  |
| 18 | Determine the units scientist use for their measurements |  |  |  |  |
| 19 | Describe the importance of **precision** of measurements |  |  |  |  |
| 20 | Define **length** |  |  |  |  |
| 21 | Define **mass** |  |  |  |  |
| 22 | Define **volume** |  |  |  |  |
| 23 | Define **density** |  |  |  |  |
| 24 | Define **conversion factor** |  |  |  |  |
| 25 | Define a **significant figures** |  |  |  |  |
| 26 | Define **accuracy** |  |  |  |  |
| 27 | Define **thermometer** |  |  |  |  |
| 28 | Identify how scientist organize data |  |  |  |  |
| 29 | Describe how scientists communicate experimental data |  |  |  |  |
| 30 | Define **slope** |  |  |  |  |
| 31 | Define **direct proportion** |  |  |  |  |
| 32 | Define **inverse proportion** |  |  |  |  |
|  |  |  |  |  |  |
|  | **END GOAL** |  |  |  |  |
| 33 | Use all the concepts in this unit to describe, analyze, and persist in solving problems |  |  |  |  |