

Name _____
Period _____

Date _____
Benchmark 10.1

The student understands general concepts related to gravitational force.

To get a:

4 – The assessment clearly shows that the student understands what gravity is; how a pendulum works and how changes made to it affect it; explain how the Sun keeps all the planets in orbit and what would happen if it were not there or was different than it is; determine escape speeds from various objects in the solar system; explain how planet's orbital periods are affected by gravity; and how gravity affects mass and weight

3 – One or more of the elements listed above are missing. The assessment is turned in late.

2 – The student does not demonstrate a clear understanding of the benchmark; several errors made; several elements left out; the assessment was poorly done; the assessment was turned in late.

1 – The assessment is not what was required.

Students will turn in their notebook and take a test when we finish this benchmark. The student must turn in one assessment on their own, choosing from the list below.

1. Create a graphic(includes pictures) webpage.
2. Create a blog. Entries must be added every day or two. Pre-approval required.
3. Create a comic strip.
4. Write a short story.
5. Write a poem.
6. Create a graphic children's book.
7. Create a graphic poster on a standard 22 by 28-inch poster board.
8. Create a PowerPoint or Google Slide presentation that includes pictures.
9. Create a video or movie (no trailers).
10. Create a "science talk show" and be the subject of an interview about the topic. This can be done by two people.
11. Create a live character (costumes and accents encouraged), and do a presentation to the class that includes a question and answer time with the students.
12. Create a game that students can play in class. (no crosswords or word search puzzles)
13. Create an assessment that could be given to students to test their knowledge and understanding of the benchmark. The assessment must include an answer key. (no Quizlets, Quiziz, Jeopardy or similar online games)
14. Create your own assessment. (Get teacher approval first!)