**Unit 2: LS1 Gravity Vocab Name: < Dessa Shapiro>**

| **Vocabulary Word** | **Definition**: Come up with your own composite definition in your own words which is meaningful to **you**. Pull from multiple sources if need be. DO NOT copy something from the glossary and move on. | **Diagram or Contextual Anchor:**  **Gold Medal**: Draw a diagram or picture that anchors this word for you so you can recall the word and it’s meaning.  **Silver Medal:** Find an image from the internet and paste it in  **Bronze Medal:** Scrawl something that looks like your 4 y.o. Sibling did it |
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| Perihelion | The location in the orbit of a planet, asteroid, or comet at which it is closest to the sun. | perihelion Archives - Universe Today |
| Aphelion | The point in the elliptical orbit of a planet, comet, etc., where it is farthest from the sun. | perihelion Archives - Universe Today |
| Orbit/Orbital | (usually elliptical) path described by one celestial body in its revolution about another  Of or relating to an orbit | Orbit: The path of one body around another, like Earth's orbit around the  Sun. in 2020 | Science flashcards, 4th grade science, Earth orbit |
| Ellipse | A closed curve that is formed from two foci or points in which the sum of the distances from any point on the curve to the two foci is a constant.( the way planets orbit around an sun/object) | Ellipses |
| Focus/Foci | a point of convergence of light or other electromagnetic radiation, particles, sound waves, etc, or a point from which they appear to diverge | Science 122 Program 11 Kepler's Laws |
| Apogee | the point in its orbit where a satellite is at the greatest distance from the Earth | Word of the week – Apogee | katyabychkovskaya |
| Perigee | the point in its orbit where a satellite is at the closest distance to the Earth | Apsis - New World Encyclopedia |
| Orbital Period | How long an object takes to complete one cycle of revolution of orbit | Gravitation (6 of 17) Calculating the Orbital Period of a Satelite - YouTube |
| Kepler’s 1st Law | The planet follows the ellipse in its orbit, meaning that the planet to Sun distance is constantly changing as the planet goes around its orbit. | What is an example of Kepler's 1st law? - Quora |
| Kepler’s 2nd Law | a planet moves in its ellipse so that the line between it and the Sun placed at a focus sweeps out equal areas in equal times. | Kepler's 2nd Law | Motion | Space FM |
| Newton’s Law of Universal Gravitation | every point mass in the universe attracts every other point mass with a force that is directly proportional to the product of their masses and inversely proportional to the square of the distance between them. | Gravitational constant - Wikipedia |

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