

Phet: Gravity and Orbits

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In this activity students will be exploring Kepler's Laws and Orbital Motion using the [Gravity and Orbits Phet Simulation](#).



Take a look at the explanatory video via YouTube: <https://youtu.be/m6e2y4fef1I>

Learning Objectives

- Investigate the shape of planetary orbits
- Relate how planetary orbits link to Kepler's first two laws of motion.

A. Is the orbit of a planet circular?

1. Press the "To Scale" option at the bottom of the screen with the star and planet chosen;
2. Turn on the path/grid option ON;
3. Allow the planet to move through 360 degrees;
4. Measure the horizontal distance from the path line on the left of the star. Write the measurement in the table below.
5. Measure the horizontal distance from the path line on the right of the star. Write the measurement in the table below.

Gravity Orbits And Kepler S Law Doc Phet Answers

Wenbin Ji



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