



# My solar system phet

How do PhET simulations fit in my middle school program? Sarah Borenstein: MS: Other: Alignment of PhET sims with NGSS: Trish Loeblein: HS: Other: MS and HS TEK to Sim Alignment: Elyse Zimmer: MS HS: Other: Phet Solar System Simulation Lab: Pauline Seales: HS: Lab: Worlds of Wonder: Dean Baird, Paul G. Hewitt: UG-Intro HS: Lab: Solar System ...

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In this online activity, learners build their own system of heavenly bodies and watch the gravitational ballet. With this orbit simulator, learners can set initial positions, velocities, and masses of 2, 3, or 4 bodies, and then see them orbit each other.

Here's a link to the 2021 replacement: Milo's Solar System. Read on for details. See, I can't do live experimentation with gravitation. I can \*predict mathematically\* how to retain a circular orbit when the mass of the central planet is doubled: Set the formula for gravitational force equal to the centripetal force.

"My Solar System" is an educational simulation in HTML5, by PhET Interactive Simulations at the University of Colorado Boulder. For a description of this simulation, associated resources, and a link to the published version, visit the simulation's web page. The ...

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This is a student guide developed specifically for use with the PhET simulation My Solar System. Intended for Grades 8-9, it provides explicit directions for set-up and promotes critical reasoning about factors that influence...

Build your own system of heavenly bodies and watch the gravitational ballet. With this orbit simulator, you can set initial positions, velocities, and masses of 2, 3, or 4 bodies, and then see them orbit each other.

Make your own solar system by dragging bodies and the V symbol (V for velocity) or by typing into the initial settings table in the upper-left corner of the simulation. Distances, masses, and times are in arbitrary units. Invent your own! Keep masses less than a ...



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Construa seu prprio sistema de corpos celestes e assista o bal; gravitacional. Com este simulador de rbita, voc; pode definir posi;es iniciais, velocidades e massas de 2, 3 ou 4 corpos, e depois v-las orbitando entre si.

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Founded in 2002 by Nobel Laureate Carl Wieman, the PhET Interactive Simulations project at the University of Colorado Boulder creates free interactive math and science simulations. PhET sims are based on extensive education & research; and engage students through an intuitive, game-like environment where students learn through exploration and discovery.

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