

Ladybug 2D [http://phet.colorado.edu/simulations/sims.php?sim=Ladybug\\_Motion\\_2D](http://phet.colorado.edu/simulations/sims.php?sim=Ladybug_Motion_2D) was released in May 2009. It was designed with improvements based on research with students' interactions with simulations. Motion in 2D has two features that Ladybug does not - linear acceleration and harmonic motion presets, so it is still available on the website.

**Suggestions for sim use:**

- For tips on using PhET sims with your students see: [Guidelines for Inquiry Contributions](#) and [Using PhET Sims](#)
- The simulations have been used successfully with homework, lectures, in-class activities, or lab activities. Use them for introduction to concepts, learning new concepts, reinforcement of concepts, as visual aids for interactive demonstrations, or with in-class clicker questions. To read more, see [Teaching Physics using PhET Simulations](#)
- For activities and lesson plans written by the PhET team and other teachers, see: [Teacher Ideas & Activities](#)