

Perimeter Dark Matter Online Game

Suggested Uses

This online game was created to accompany the *Perimeter Institutes Explorations – Dark Matter*.

The posted worksheets are intended to push students to an understanding of dark matter with exposure to just the game and the primer.

The goal is that by having students watch the movie or read the primer, play the game, then work through a work sheet, the students will appreciate the concept of dark matter more than if they just played the game.

The worksheets are meant to focus the students on what the game is trying to teach the students:

- A difference between theory's prediction and actual observations
- Dark matter as a solution/explanation for the difference

Suggested Use #1

Students read the primer, play the game, and complete worksheet #1.

This worksheet is quick-to-mark question: multiple choice and matching.

Students may need to play the game more than once.

This activity can be easily completed in 75 minutes.

Suggested Use #2

Students read the primer, play the game, and complete worksheet #2.

This worksheet has some short answer question as well as multiple choice questions.

Students may need to play the game more than once.

This activity can be completed in 75 minutes.

The worksheets are posted electronically, so they may be altered.