

Intro to Nanotechnology Video *Nanotechnology: What's the Big Deal?*



Summary

In this lively and engaging three-minute video, host Anders Liljeholm gives an overview to nanotechnology science. Anders explains some of the principles of nanotechnology, including the concept of the super tiny nanoscale, and how materials can behave differently at the nano level. Compelling examples of fascinating new consumer products, including self-cleaning windows and extremely efficient power lines, are presented, as well as medical applications of nanotechnology including new methods of cancer treatment. Visitors are given an overview to some of the unique challenges and opportunities presented by nanoscale science and are left to consider what big changes may come from the small world of nanotechnology.

Nanotechnology: What's the Big Deal? is presented in both English and Spanish. Visitors select their preferred language by pressing the appropriate start button to launch the video. The exhibit component "A Billion Beads" is attached to the backside of this video kiosk.

Learning Goals

- Things at the nanoscale are super small.
- Super small nanoparticles can have very unexpected properties.
- Nanotechnology is being used to create consumer goods with new and/or improved properties.
- Nanotechnology is being used in medical applications, such as the treatment of cancer.
- There may be risks associated with nanotechnology that include human health and the environment.

Exhibit Details

Audience: All ages

Exhibit Format: Stand-Alone Exhibit Component
 Part of *Introduction to Nanotechnology* package

Exhibit Dimensions: 54" w x 31 1/2" d x 78" h