

# NanoLab



## Summary

NanoLab is an immersive mini-exhibition with a variety of experiences for museum visitors of all ages. In the entry area, children dress up and role play as nanoscientists. The activities and graphics introduce the concept that some nanoscientists work in special laboratories known as clean rooms, which have a carefully controlled environment. In the main lab area, visitors use four interactive exhibits and watch a video that explain how nanoscientists build with atoms and study things that are too small to see. The exhibits and video introduce basic methods and tools used in research on nanoscale devices and materials. In the reading area, visitors read books related to nanoscale science and nanotechnology. A wall graphic and picture book called “How small is nano?” use the human body to explore relative size.

## Big Idea

- Some nanoscientists work in labs called clean rooms, where they learn about and make things that are too small to see.

## Learning Goals

- In nano labs, scientists learn about and make things that are too small to see.
- Many different scientists work in nano labs.
- Some nano labs are clean rooms.
- In clean rooms, scientists build with atoms.
- Scientists who work in clean rooms use special tools and equipment.
- Scientists who work in clean rooms wear special clothes.
- Nano is very, very small.

## Exhibit Details

Audience: All ages

Exhibit Format: Stand-Alone Exhibit Component  
Part of the *Nanolab+Fact or Fiction* exhibition

Exhibit Dimensions: 13.5' long x 11.5' wide x 7' tall

