NanoFabulous
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Port Discovery Children’s Museum
Baltimore, Maryland
NanoFabulous
Project Foundation
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The Exhibition

- LEGO Scanning Probe Microscope
  Visitors see how a scanning probe microscope creates an image.

- Contact & Noncontact Probes Table
  Visitors have fun understanding how nano-probes function and are used to measure the surface of materials at the nanoscale.

- Magnification Table
  Visitors discover the microscopic secrets on the surfaces of objects by using magnifiers of different strengths.
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Cleanroom Facility

Includes:

• Booties Station
• Dress-a-Researcher Station
• Filters, Fans, & Floor Titles
• Facility Support Structure
• Transistors-LEGO Station
• Wafer Inspection Station
• Wafer Washing Station
• And...
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Near-field Scanning Probe Microscope Display

• Visitors discover a SPM microscope that uses light with a scanning probe to image objects at the nanoscale.

Microscope provided by National Institute of Standards and Technology (NIST)
NanoFabulous Programming

• Family Scavenger Hunts
• School Groups
• Summer Camps
• Meet a Scientist
• Educator Workshop
• Discovery Days
• Nano Days Activities
• Conversations about Nano and Society
• How Do You Nano-Know?
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Effective Partnership

- Partnership champions
- Funding limitations
- Trust
- Mutual respect
- Synergy
- Flexibility
- Set short and long-term goals
- Realistic expectations
- Open and constant communication
- Celebrate every success!
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