

NanoLab

Components and Learning Goals

BIG IDEA Some nanoscientists work in labs called clean rooms, where they learn about and make things that are too small to see.	EXTERIOR What happens in the NanoLab? (graphic)	EXTERIOR How big is nano? (scale ladder graphic)	DRESS UP AREA Get ready to enter the nano lab (graphic+activity)	DRESS UP AREA Who works in a nano lab? (graphic+activity)	PLAY AREA What do you wear in a nano lab? (graphic)	PLAY AREA Play NanoLab (graphic+activity)	PLAY AREA What do you find in a nano lab? (graphic)	INTERACTIVE AREA Moving lots of atoms at once (graphic+interactive)	INTERACTIVE AREA Moving atoms one by one (graphic+interactive)	INTERACTIVE AREA Moving atoms on their own (graphic+interactive)	INTERACTIVE AREA Seeing tiny things (graphic+interactive)	BOOK How big is nano?	VIDEO NanoLab	PROGRAM Tiny particles, big trouble!
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.		✓		✓								✓	✓	✓