

How Do Children Learn About Math and Science?

Young children learn by exploring in hundreds of different ways. Learning takes place everywhere and all the time. You can observe children using the process skills of science and math when they:

Repeat actions over and over:

Brianna works on the same puzzle every time she visits the library.

Lift things up and look underneath:

Emily turns over the rocks in the park and asks “What’s that?”

Ask questions:

Jacob asks: “Why does the fish make bubbles?”

Use materials and tools in creative ways:

Sophia uses a piece of rope to measure a tower of blocks.

Watch things intently:

Christopher likes to watch the hamster running around and around on its wheel.

Make predictions:

Kayla guesses that a raccoon might live in a hollow log.

Solve problems:

José adds one more block to the base of his tower to make it stronger.

Represent real objects:

Maria draws two parallel lines, connects them and says, “It’s a train track!”

Make comparisons:

William uses the small blanket to wrap up the smaller of two dolls and a bigger blanket to wrap up the larger doll.

Sort objects:

Isabella separates a collection of buttons into two groups: metal ones and plastic ones.

Make connections:

Ava tells her friends to make playdough pies that look like the pies in a book they listened to in story hour.

