

Add some
S.T.E.A.M.
to your storytime
at home!



**Music
& Rhythm**

Young children are natural mathematicians!

The books and activities in this Storytime S.T.E.A.M. Backpack focus on exploring and playing with different mathematical ideas. S.T.E.A.M. stands for Science, Technology, Engineering, the Arts and Mathematics.

Mathematicians:

- Are brave and bold.
- Take risks and discover.
- Make mistakes, repeat, tinker, and change their thinking.
- Ask questions, share ideas, and consider other perspectives.



While you're reading these stories and playing with the materials, consider the following ideas and techniques to grow confidence and a love for math!

Read together: One of the best ways to deepen your reading time together is to pause and ask questions.

- What do you think will happen in this story, and why do you think so?
- What will happen next? How do you know?
- What connections can you make between this story and another story?
- What do you see, notice, or wonder about?
- What (numbers, patterns, shapes or other math concepts) do you see?

Play Together:



- Let children shake, jingle, and pound away!
- Teach mathematical concepts such as counting, fractions, and patterns.

Books:

I Got The Rhythm
by Connie Schofield-Morrison
Play This Book by Jessica Young

Activity:

Heavy Duty Rhythm Set

CHOKING HAZARD -- Small parts. Not for children under 3 yrs.

tacoma public library

Tacoma Public Library

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Tacoma, Washington 98402 | 253.280.2800
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Name That Tune

Take turns humming a song and seeing if the other players can guess the name of the song.

This is great for listening skills and practicing recall.

Rhythm and tempo are best learned through repetition of demonstration.

Have fun! Keep singing, keep tapping, and your little ones will thrive!

What Is Rhythm:

Rhythm is a steady repeated movement or sound.
Tempo is the speed of your beat.

- Count to four on a constant, steady loop, 1-2-3-4, 1-2-3-4, 1-2-3-4... This is your rhythm.
- Add clapping, tapping, or walking on each beat to have even more fun with the rhythm.
- Slow down and speed up to explore tempo.

Make Your Own Tambourine

Materials:

- Paper Plate (one or two)
- Dried Beans or Rice
- Stapler or Tape
- Markers



Picture from FirstPalette.com

Instructions:

- Put a handful of dried beans or rice on the plate.
If using one plate, fold it in half and seal the edges with tape or a stapler.
If using two plates, put the second plate over the beans/rice and seal the edges with tape or a stapler.
- Color your tambourine
- For extra fun, attach bells or other objects to the tambourine.
- Experiment with different amounts of beans/rice. Does the sound change?

Tap Your Sticks

Tune: Frère Jacques

Tap your sticks. Tap your sticks.
One, two, three. One, two, three.
Can you tap your sticks,
Can you tap your sticks,
Just like me, Just like me?

Tap your sticks, Tap your sticks,
Way up high, Way up high.
No-w, bend down, No-w, bend down,
Tap the ground. Tap the ground.

Bread and Butter

Bread and butter, marmalade and jam,
Let's tap our sticks as nice as I can!

Other verses: quick, slow, quiet, loud



More Books!

- *My Voice Is A Trumpet* by Jimmie Allen
- *Squeak! Rumble! Whomp! Whomp! Whomp!* by Wynton Marsalis
- *Rock 'n' Roll Soul* by Susan Verde
- *Ellie In Concert* by Mike Wu
- *We Are The Dinosaurs* by Laurie Berkner
- *Row Row Row Your Boat* by Jane Cabrera
- *Every Little Thing* by Cedella Marley
- *Pete The Cat and His Four Groovy Buttons* by Eric Litwin