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# CLASSROOM CASE STUDY

**SCHOOL NAME :**

Eagle Creek Elementary  
Arlington, Washington

**TEACHER NAME :**

Amy Egan

## PROGRAM OBJECTIVE:

The Moving & Learning Classrooms Program provides classrooms with their own sets of Math & Movement materials. The objective is to build students' foundational understanding of key math concepts while simultaneously boosting their confidence in their math abilities and staying physically active.



## PROGRAM OVERVIEW



## Using Movement to Improve Multiplication Skills in Third Graders

Amy Egan's third grade classroom at Eagle Creek Elementary was awarded funding to participate in a Moving & Learning Classrooms Program. This program provided Ms. Egan with training, materials, and virtual intervention sessions.

Over the course of the program, Math & Movement founder, Suzy Koontz, held live, virtual sessions with the third graders. She went over active math movements that help students skip count and helped them use the Skip Counting by 3's floor mat to solve their practice problems. Throughout the school day, Ms. Egan also incorporated the mats into lessons.



## OUR APPROACH

- Math & Movement is a 'whole body approach' to learning.
- Combining data, research, and decades of collective teaching experience, we have created a series of kinesthetic educational materials. Our program is designed to engage learners mentally and physically and supplement your school's curriculum.
- Math & Movement fosters strong mind-body connections that are the bedrock of healthy lives. Research has found an outstanding correlation between movement and enhanced learning.

## THE RESULTS

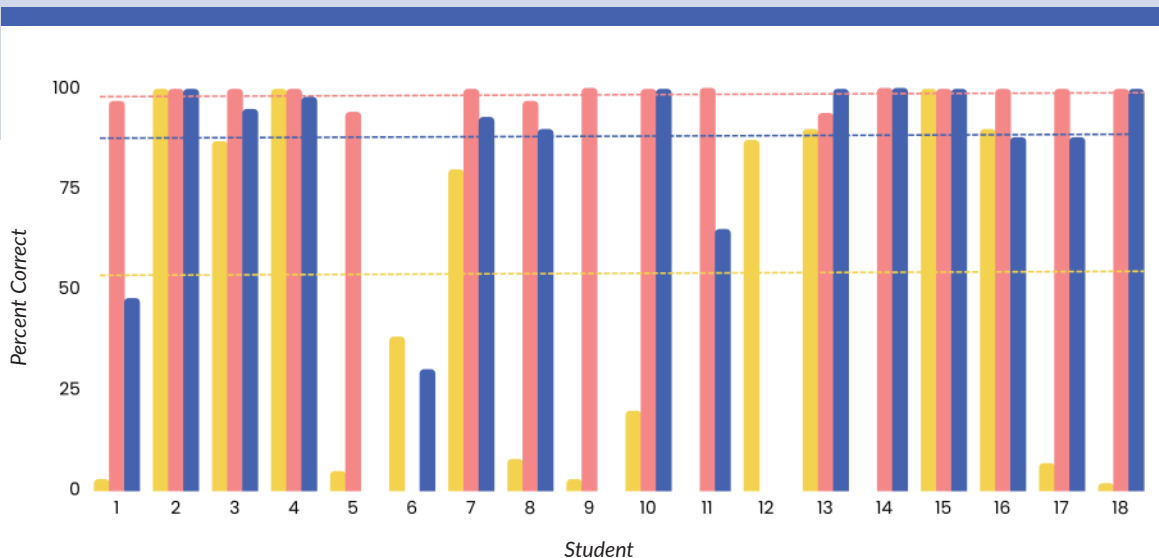
From January 6, 2021 to March 1, 2021, these third grade students participated in this program with the goal to increase their multiplication fact retention. The results show their progress in multiplication by 3s.

- **Column 1:** Pretest % Correct (1/6/21)
- **Column 2:** One month Post-test % Correct (2/1/21)  
Zoom session with Suzy & Skip Counting by 3s mat was available
- **Column 3:** Two month Post-test % Correct (3/1/21)  
Skip Counting by 3s mat NOT set out

*Missing column information indicates student was absent.*

# 92.9%

Increase from pre-test to one month post-test



# 51.25%

Average Pre-Test Score

# 98.88%

Average One-Month Post-Test Score (with mat use)

# 83.33%

Average Two-Month Post-Test Score (without mat use)