Dear Parents,
We will begin our next unit of study in math soon. The information below will serve as an overview of the unit as you work to support your child at home. If you have any questions, please feel free to contact me. I appreciate your on-going support.
Sincerely,
Your Child's Teacher

Unit Name: Patterns

Common Core State Standards:
3.OA.9 - Identify arithmetic patterns (including patterns in the addition table or multiplication table), and explain them using properties of operations. *For example, observe that 4 times a number is always even, and explain why 4 times a number can be decomposed into two equal addends.*

Essential Vocabulary:
- Square Numbers
- Products
- Factors
- Repeating Pattern
- Growing Pattern

Unit Overview:
In this unit the students will learn about square numbers and find examples and non-examples of square numbers. A square number is the product of a number and itself. For example 16 is a square number because 4 x 4 = 16. The students will work with numeric and geometric patterns. The students will extend and describe both types of patterns. Students will use tables to help them describe and extend patterns.

Strategies/Skills:
- Tables

Video Support:
LearnZillion Lesson – Identifying Patterns on a Multiplication Chart
- https://learnzillion.com/lessons/1529-identify-patterns-on-a-multiplication-chart

Additional Resources:
If you have limited/no internet access, please contact your child's teacher for hard copies of the resources listed in this document.
- NCDPI Unpacking Document: 3rd Grade Unpacking Document