**Math Unit Organizer**

**Unit 5: Multiplication and Division**

**2nd Grade Allen, Galeener, and Siemens**

**Previous Unit:**  **Next Unit**

Weight Multiplication Tables of 2 and 3

**Integrated Units:**

N/A

**Singapore Content:**

I. Multiplication

A. understand the meaning of multiplication

B. write equations for multiplication

C. work out multiplication facts by repeated addition

D. use rectangular arrays to illustrate multiplication

E. write two related equations for a multiplication situation

F. solve word problems on multiplication using pictures

II. Division

A. review the meaning of division

B. understand division as sharing equally into a given number of groups and finding the number in each group

C. write equations for division by grouping

D. understand division as dividing a set of objects into groups of equal size and finding the number of groups

E. write equations for division by grouping

F. form a family of two multiplication and two division equations

**Core Knowledge Connections**

I. Computation

* Practice doubling (adding a number to itself)
* Recognize the “times” sign (x) and know what factor and product mean
* Understand that you can multiply numbers in any order
* Multiplication facts: know the product of any single-digit number x 1, 2, 3, 4, 5 and know what happens when you multiply by 1, by 0, and by 10
* Solve simple word problems with multiplication

**Colorado State Standards for Math- Grade 2 and The Common Core State Standards for Mathematics:**

**Standard: 1. Number Sense, Properties, and Operations**

* Are fluent with basic numerical and symbolic facts and algorithms, and are able to select and use appropriate (mental math, paper and pencil, and technology) methods based on an understanding of their efficiency, precision, and transparency