BUILDING BLOCKS OF MATHEMATICS
6 Volume Set
Years K-5

CURRICULUM CORRELATIONS

NOTE: All statements are directly quoted or slightly paraphrased from the curriculum documents.

AUSTRALIA
The *Building Blocks of Mathematics* series meets the following goals for the Australian science curriculum:

Foundation Year
-Establish understanding of the language and processes of counting.
-Connect number names, numerals and quantities, including zero,
  initially up to 10 and then beyond.
-Represent practical situations to model addition and sharing.

Year 1
-Develop confidence with number sequences to and from 100.
-Recognize, model, read, write and order numbers to at least 100.
-Count collections to 100 by partitioning numbers using place value.
-Represent and solve simple addition and subtraction problems.
-Recognize and describe one half as one of two equal parts of a whole.

Year 2
-Investigate number sequences.
-Explore the connection between addition and subtraction.
-Solve simple addition and subtraction problems.
-Recognize and represent multiplication as repeated addition.
-Recognize and represent division as grouping into equal sets and
  solve simple problems.
-Recognize and interpret common uses of halves, quarters and eighths.
-Solve problems by using number sentences for addition or subtraction.

Year 3
-Recognize and explain the connection between addition and
  subtraction.
-Recall addition facts for single digit numbers and related subtraction
  facts.
-Recall multiplication facts of two, three, five and ten and related
  division facts.
-Represent and solve problems involving multiplication.
-Model and represent unit fractions including 1/2, 1/4, 1/3, 1/5 and
  their multiples to a complete whole.

Year 4
-Recall multiplication facts up to 10 × 10 and related division facts.
-Explore and describe number patterns resulting from performing
   multiplication.
-Develop efficient mental and written strategies and use appropriate
   digital technologies for multiplication and for division.
-Solve word problems by using number sentences involving
   multiplication or division.
-Use equivalent number sentences involving addition and subtraction
   to find unknown quantities.

Year 5
-Solve problems involving division by a one-digit number.
-Solve problems involving multiplication of large numbers by one- or
   two digit numbers.