All of the Making Math Real courses are designed with a highly structured and sequentially developmental architecture. All of the content from each course emanates directly from the content of the course(s) that precede it. The following flowcharts provide the prescribed sequences to maximize learning and integration for each course. The following recommended course sequences are not exclusive. For example, the elementary school sequence is also recommended for grades 3 through community college, and the middle and high school sequence is also recommended for grades 3 through community college.

**REQUIRED PREREQUISITES**

Due to the highly developmental structure of the Making Math Real course content, there are several mandatory prerequisite courses. The Overview, K-12 must be completed before enrolling in any other Making Math Real course. In addition, Fractions, Decimals & Advanced Place Value must be completed before enrolling in Pre-Algebra; and Pre-Algebra must be completed before enrolling in Algebra I, and Algebra I must be completed before enrolling in Algebra II. For the Geometry courses, The 4 Operations and the 400 Math Facts and Fractions, Decimals & Advanced Place Value must be completed before enrolling in Geometry Part I, and Geometry Part I, Pre-Algebra, and Algebra I must be completed before enrolling in Geometry Part II.

**STRONGLY RECOMMENDED**

Although the following courses are not required prerequisites, to maximize your time and content integration, it is strongly recommended to complete The 9 Lines Intensive prior to The 4 Operations and the 400 Math Facts and/or Fractions, Decimals & Advanced Place Value as the 9 Lines methodology provides significant basis for the content in these courses. However, it is possible to complete The 9 Lines Intensive at a later time.

Since the Games! course is based entirely on MMR content, it is strongly recommended to have completed at least The 9 Lines Intensive, and/or The 4 Operations and the 400 Math Facts, and/or Fractions, Decimals & Advanced Place Value prior to enrolling in the Games! course. To maximize the benefit of this fun make and take course, the more MMR content taken, the better this class will be. Therefore, we strongly discourage enrolling in the Games! course after only the Overview (the Overview is NOT a content course).

For Geometry Parts I and II, it is strongly recommended to have completed The 9 Lines Intensive and Kindergarten prior to enrolling in either Geometry Part I or Geometry Part II. The synthesis nature of geometry requires access to all the content from all relevant preceding Making Math Real courses.

**OPTIONAL COURSE SEQUENCES**

Since it is not always possible for course participants to schedule enrollment in Making Math Real courses according to the recommended sequences, there are numerous options available. Once the Overview has been completed, course participants may immediately enroll in any of the following Making Math Real courses. The 9 Lines Intensive, The 4 Operations and the 400 Math Facts, Fractions, Decimals & Advanced Place Value, Time & Money, or Kindergarten.

### ELEMENTARY SCHOOL SEQUENCE

**OVERVIEW**
The Overview is the mandatory prerequisite overview for all other Making Math Real courses and is not grade level specific.

**9 LINES INTENSIVE**
Prerequisite: The Overview
Strongly recommended prior to The 4 Operations & The 400 Math Facts and/or Fractions, Decimals & Advanced Place Value, as well as Geometry Part I.

**THE 4 OPERATIONS & THE 400 MATH FACTS**
Prerequisite: The Overview
Required for Geometry Part I

**TIME & MONEY**
Prerequisite: The Overview
Required for Geometry Part I

**FRACTIONS, DECIMALS & ADVANCED PLACE VALUE**
Prerequisite: The Overview
Required for Geometry Part I

**GEOMETRY PART I**
Prerequisites: The Overview
Strongly recommended after attending 9 Lines, and/or 4 Operations, and/or Fractions

**GAMES!**
Prerequisite: The Overview
Required for Geometry Part I

**ALGEBRA I**
Prerequisites: The Overview and Pre-Algebra
Required for Geometry Part II

**GEOMETRY PART II**
Prerequisites: The Overview, Fractions, Decimals & Advanced Place Value, Pre-Algebra, Algebra I, and Geometry Part I

### MIDDLE SCHOOL, HIGH SCHOOL AND COLLEGE SEQUENCE

**OVERVIEW**
The Overview is the mandatory prerequisite overview for all other Making Math Real courses and is not grade level specific.

**9 LINES INTENSIVE**
Prerequisite: The Overview
Strongly recommended prior to The 4 Operations & The 400 Math Facts and/or Fractions, Decimals & Advanced Place Value, as well as Pre-Algebra, Algebra I, Geometry Part I, and Geometry Part II

**FRACTIONS, DECIMALS & ADVANCED PLACE VALUE**
Prerequisite: The Overview
Required for Pre-Algebra, Geometry Part I, and Algebra I

**GEOMETRY PART I**
Prerequisites: The Overview
Strongly recommended after attending 9 Lines, and/or 4 Operations, and/or Fractions

**ALGEBRA II**
Prerequisites: The Overview, Fractions, Decimals & Advanced Place Value, Pre-Algebra, Algebra I, and Algebra II

**GEOMETRY PART II**
Prerequisites: The Overview, Fractions, Decimals & Advanced Place Value, Pre-Algebra, Algebra I, and Geometry Part I

### PRE-K, KINDERGARTEN, AND 1ST GRADE SEQUENCE

**OVERVIEW**
The Overview is the mandatory prerequisite overview for all other Making Math Real courses and is not grade level specific.

**KINDERGARTEN**
Prerequisite: The Overview
Strongly recommended prior to Geometry Part I