



Course Catalog

Department of Education
University of North Carolina at Charlotte

Every student has different needs, and to maximize results, we must meet them where they are.

Elementary Courses

Mathematics - LV3 (with QuickTables)

English/Spanish

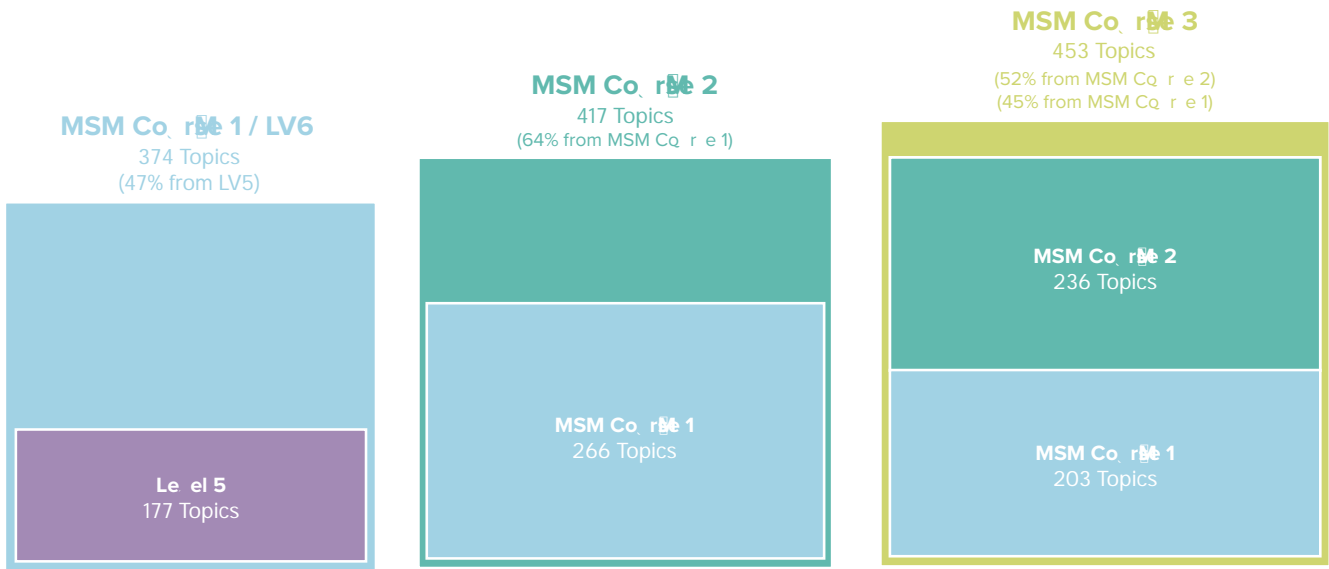
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Middle School Subject	Tier 3	Tier 2	Tier 1
Grade 6			
Grade 7			
Grade 8			

Intervention Courses: Available for each 65% of students who are below the proficiency level.

Review Course: Available for each 50% of students who are below the proficiency level.

Grade-Level Courses: Students can take additional 85% of the course completion in Illinois.

Middle School Math Course 1/LV6

English/Spanish

(374 topics + 489 additional topics)

Course Description: This course provides comprehensive coverage of sixth-grade math standards and its prerequisites.

Middle School Math Course 2

English/Spanish

(417 topics + 800 additional topics)

Course Description This course provides comprehensive coverage of seventh-grade math standards and its prerequisites.

Middle School Math Course 3

English/Spanish

(453 topics + 764 additional topics)

Course Description This course provides comprehensive coverage of eighth-grade math standards and its prerequisites.

RTI 6

English/Spanish

(184 topics + 109 additional topics)

Course Description This course is intended 4 466.1901 Tm((184 topics +109 additional topics))4D 177ud 15s w

(374 topics + 489 additional topics)

Course Description This course provides comprehensive coverage of sixth-grade math standards, including algebra, and its prerequisites. This course includes QuickTables as a default.



High School Courses

ALEK features a wide variety of high school courses that can be customized to align with your curriculum. This robust library of courses means you can easily accommodate the needs of every student with a course that meets them at their level and provides them with a personalized learning path towards success and standard mastery. These courses can be stacked in a manner that allows for concept overlap to solidify prerequisite skills, close learning gaps, reinforce overall understanding.

Course Offerings

Foundations of High School Math

English/Spanish

(453 topics + 764 additional topics)

Course Description Similar to Pre-Algebra, this broad, standards-based course offering provides comprehensive coverage of the middle school mathematics curriculum, including many topics that are not prerequisites for success in Algebra 1. This course is intended to develop a mastery of the full breadth of middle school math concepts to facilitate success in high school mathematics, including algebra and geometry courses.

High School Prep for Algebra 1

English/Spanish

(328 topics + 207 additional topics)

Course Description This course focuses on critical prerequisite topics that are central to success in Algebra 1. This is the best course to prepare students to advance as quickly as possible into Algebra 1 or Algebra 1A.

Priority Standards Course Algebra 1

(397 topics+ 770 additional topics)

Course Description This course focuses exclusively on prerequisite topics and grade-level standards that will be critical to student success within the full grade-level course. Students can then move to the full grade level course to complete all grade level standards.

Algebra 1A**English/Spanish**

(374 topics + 567 additional topics)

Course Description This standards-based course provides comprehensive coverage of Algebra 1 standards by focusing on the algebra concepts and prerequisites typically covered in the first half of an Algebra 1 course.

Traditional Algebra 1A**English/Spanish**

(319 topics + 622 additional topics)

Course Description The course provides complete coverage of the algebra concepts and prerequisites typically covered in the first half of an Algebra 1 course. It does not provide extensive coverage of non-algebra topics, such as probability, statistics, and geometry.

Algebra 1B**English/Spanish**

(372 topics + 795 additional topics)

Course Description This standards-based course provides comprehensive coverage of Algebra 1 standards. It focuses on the algebra concepts typically covered in the second half of an Algebra 1 course.

Traditional Algebra 1B**English/Spanish**

(365 topics + 802 additional topics)

Course Description This course provides complete coverage of the algebra concepts typically covered in the second half of an Algebra 1 course. It does not provide extensive coverage of non-algebra topics, such as probability, statistics, and geometry.

Algebra 1**English/Spanish**

(374 topics + 567 additional topics)

Course Description This standards-based course provides comprehensive coverage of Algebra 1 standards.

Algebra 1 and Prep for Algebra 1 Combined**English/Spanish**

(615 topics + 703 additional topics)

Course Description This standards-based course provides comprehensive coverage of Algebra 1 standards and a more extensive set of prerequisite topics for students who may need additional support.

High School Geometry



Integrated Math III

English/Spanish

(608 topics + 936 additional topics)

Course Description This integrated math course focuses on extending algebra and functions (including radicals, rational expressions, polynomial functions, logarithmic functions, sequences, and series), trigonometry, and probability.

Math Intervention

English/Spanish

(107 topics + 91 additional topics)

Course Description This course provides effective intervention for math students at almost any level with topic coverage ranging from grades 3–12.

College Preparedness

English/Spanish

(781 topics + 377 additional topics)

Course Description: Promotes college math readiness and success by providing thorough coverage of basic math through intermediate algebra, which prepares students to progress into a credit-bearing college math course upon completion.

Pre-Calculus

English/Spanish

(637 topics + 533 additional topics)

Course Description Provides comprehensive coverage of a typical pre-calculus course.

Pre-Calculus for College Readiness

English/Spanish

(556 topics + 614 additional topics)

Course Description Provides coverage of pre-calculus excluding topics on systems of equations, matrices, vectors, polar coordinates, and conic sections. This excluded list is covered in *ALEKS* Pre-Calculus.

Prep for GED Mathematics

English/Spanish

(643 topics + 442 additional topics)

Course Description Provides coverage of the middle-school and high-school mathematics topics included on the GED exam.

Mastery of SAT Math

English/Spanish

(646 topics + 462 additional topics)

Course Description This course is designed to help students achieve mastery of the math topics featured on the SAT Reasoning Test.

Mastery of ACT Math

English/Spanish

(678 topics + 430 additional topics)

Course Description This course focuses on students developing a mastery of topics featured on the ACT Mathematics Test.

High School Prep for Statistics

English/Spanish

(62 topics + 17 additional topics)

Course Description This short introductory course addresses the prerequisites that high-school students need when preparing for a statistics course.

Chemistry

English Only

(248 topics + 521 additional topics)

Course Description The course provides extensive coverage of chemistry at the high school level. This includes coverage of the NGSS high-school standards, which apply to chemistry, along with basic algebra and physics concepts that are essential prerequisites for successfully achieving fundamental chemistry mastery. Content within this course is highly customizable to match almost any curriculum and order of instruction.

Prep for AP Chemistry

English Only

(191 topics + 578 additional topics)

Course Description This course is designed to prepare high school students for an AP Chemistry course. This course covers prerequisite and foundational material necessary for success in AP Chemistry.

Math Review of AP Calculus

English/Spanish

(296 topics + 110 additional topics)

Course Description The course reviews the topics necessary for success in AP Calculus. It does not contain AP Calculus content.

Math Review for AP Physics

Specialized Courses

Specialized courses require their own subscription and come at an additional cost. These courses are only available on *ALEK*.com and often align to a specific McGraw Hill curriculum solution.

AP Statistics (Quantitative)**

English Only

(307 topics + 98 additional topics)

Course Description This course covers descriptive statistics, probability, distributions, inferential statistics, and regression and correlation to help prepare students for the content of an AP Statistics exam.

AP Chemistry**

English Only

(363 topics + 406 additional topics)

Course Description This course provides rigorous coverage of chemistry topics that are typically included in a general college-level chemistry course. This course includes the built-in *ALEK* pedia, which is a General Chemistry Primer, making the *ALEK* AP Chemistry course your chemistry solution. This course can also be used to help students achieve better results on the AP Chemistry exam.

Beginning Algebra (ALEKS 360)**

English/Spanish

(375 topics + 443 additional topics)

Course Description The course provides coverage of beginning algebra topics alongside digital access to the Miller/O'Neill/Hyde Beginning Algebra text.

Intermediate Algebra (ALEKS 360)**

English/Spanish

(494 topics + 305 additional topics)

Course Description This course provides coverage of intermediate algebra topics alongside digital access to the Miller/O'Neill/Hyde Intermediate Algebra text.

(538 topics + 424 additional topics)

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California Algebra 1A

English/Spanish

(374 topics + 567 additional topics)

Course Description This course provides comprehensive coverage of the current California Algebra 1 Math Content Standards. It focuses on the algebra concepts and prerequisites typically covered in the first half of a California Algebra 1 course.

California Algebra 1B

English/Spanish

Course Description This course provides comprehensive coverage of the current California Algebra 1 Math Content Standards. It focuses on the algebra concepts typically covered in the second half of a California Algebra 1 course.

California Algebra 1

English/Spanish

Course Description This course provides comprehensive coverage of the current California Algebra 1 Math Content Standards.