

**The Knowsys Middle School College Readiness Course is designed as an enrichment program.**

The course covers SAT math and verbal content:

- Math concepts appropriate for rising 7th, 8th, and 9th graders
- SAT vocabulary
- SAT reading comprehension passages and questions
- SAT grammar

**In addition, the course integrates college exploration.**

- PBL (project-based learning)
- Students work in teams to explore various colleges and universities, majors, etc (depending on level).
- See Level descriptions on back for the specifics of each College Exploration project
- Students present their findings to the class.

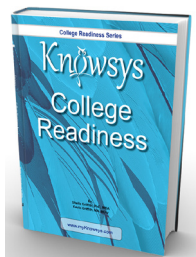
## Course Details:

- **Advanced Students (rising 7th graders, 8th graders, and 9th graders):**
  - The course serves as a follow-up advancement program for advanced students in the district (e.g., the students who participated in the Duke Talent Search course and/or test)
  - Provides an advanced academic opportunity within the district.
- **Levels:**
  - The three different levels contain different content (see descriptions on the back) so students can participate in all three levels for three consecutive summers and enjoy distinct material and challenges
- **Instructional Materials:**
  - *Knowsys Middle School College Readiness Workbook: Levels 1, 2, and 3*
  - Note: Levels are not graduated in difficulty; they simply contain unique materials

**Recommended Professional Development:** Full-day Middle School Program Training (half math/half verbal)

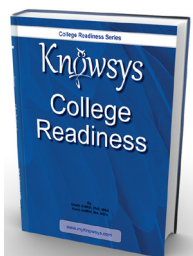
## Content Overview of All 3 Levels

**Level 1: Students tackle College Readiness Math and Verbal and explore different factors to consider when looking for a good college “fit.”**



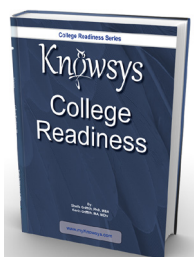
- **Math:** Pre-Algebra (percents and ratios), Algebra (linear equations), Statistics (averages), and Geometry (lines and angles, triangles, and circles)
- **Verbal:** SAT Vocabulary and mastery-level activities, SAT-style reading and grammar passages, with reading comprehension techniques and grammar concepts interwoven throughout passages
- **College Exploration:** Students work in teams exploring universities throughout the U.S. and weighing factors such as size, location, extracurricular activities, study abroad programs, and more

**Level 2: Students tackle College Readiness Math and Verbal and explore different factors to consider when selecting a college major.**



- **Math:** Pre-Algebra (integers, digits, prime numbers, factors, multiples, remainders, patterns, rates, and ratios), Algebra (linear equations - interpreting, rearranging, and solving), Statistics (median, mode, range, and standard deviation), and Geometry (quadrilaterals)
- **Verbal:** SAT Vocabulary and mastery-level activities, SAT-style reading and grammar passages, with reading comprehension techniques and grammar concepts interwoven throughout passages
- **College Exploration:** Students explore a variety of college majors, including typical college courses associated with those majors, recommended high school courses to prepare for those majors, associated careers paths, and universities that offer those majors

**Level 3: Students tackle College Readiness Math and Verbal and create a college readiness “Road Map” using tools from the College Board.**



- **Math:** Pre-Algebra (fractions, probability, and direct proportionality), Algebra (linear equations and inequalities - setting up and solving ), Statistics (data collection), and Geometry (solids and multiple figures)
- **Verbal:** SAT Vocabulary and mastery-level activities, SAT-style reading and grammar passages, with reading comprehension techniques and grammar concepts interwoven throughout passages
- **College Exploration:** In the College Exploration portion, students will use EducationPlanner.org, take a short interest/personality/skills survey, and explore the related careers and educational paths