College Readiness Courseware

Set your learners on a path to college success

College Readiness Courseware is an online college preparation program that gives learners an opportunity to evaluate their skill levels in English Language Arts and Mathematics.
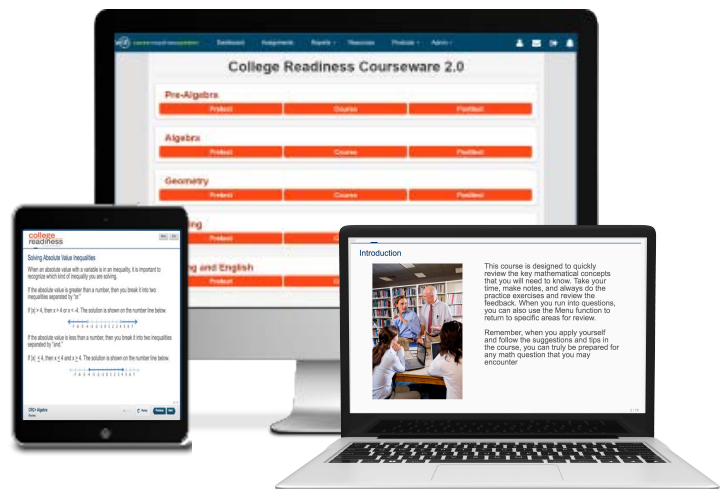
For learners seeking to take an entry or placement exam for admission to a post-secondary institution, the courseware is ideal for identifying and building the skills needed for success. College Readiness Courseware provides learners with the necessary foundational skills for college.

Utilizing the initial assessments, learners can identify their basic level of readiness for college. These online standardized tests are designed to assess and potentially identify college entry coursework. Assessment results assist staff or faculty in identifying the appropriate level of coursework and support for learners.

WIN's College Readiness Courseware includes five learning modules that provide learners with practice and application of concepts addressed by commonly accepted college placement exams. The courseware prepares learners with the necessary foundational skills in **Pre-Algebra, Algebra, Geometry, Reading, and Writing and English.**

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Learners take a pretest to identify areas where further instruction is needed and practice assessments to reach mastery.

30°-60°-90° Triangles

The lengths of a 30°-60°-90° triangle are in the ratio of $1 : \sqrt{3} : 2$. This special right triangle comes from dividing an equilateral triangle in half along a line segment through one vertex perpendicular to the opposite side.

If you can remember this picture it will help you remember that the hypotenuse is twice as long as the short leg in a 30°-60°-90° triangle. Then the Pythagorean theorem allows you to calculate the length of the long side.

$$a^2 + b^2 = c^2$$
$$c = 2x, a = x$$
$$x^2 + b^2 = (2x)^2$$
$$x^2 + b^2 = 4x^2$$
$$b^2 = 3x^2$$
$$b = x\sqrt{3}$$

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Sometimes you will be asked to figure out the meaning of a word in context. In this case, the question will give you the line location of the word. Perhaps you will have already identified the word as one that is unfamiliar to you. Either way, you'll need to read the sentence (and possibly the ones immediately before and after it) and look for context clues—words in the sentence that give away the meaning of the target word. You should also review your knowledge of root word, prefixes, and suffixes.

The following pages contain charts of common root words, prefixes and suffixes. While you are not expected to memorize the information on the charts, familiarizing yourself with them will help you in understanding the difficult words you may encounter in reading tests.

Do the following steps as you study the vocabulary.
1. Read the root, prefix or suffix and its meaning.
2. Think of a word or words that will help you remember the meaning.
3. Write the words and their meaning down. Writing things down helps embed new meanings in your memory.
4. Use the words in a sentence and write that sentence in your notebook.

For example, the first root word is **ascerb**, meaning bitter.
Acid is also bitter and the first sounds of both are the "asc" sound.

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Learners begin the courseware by completing a pretest. After the pretest is completed, learners can work through the course content at their own pace. At the end of every module, there is a posttest that measures comprehension. WIN's college readiness posttest can help learners meet a basic level of readiness for college. These online standardized tests are designed to assess and identify college entry coursework.

Courseware Components

- Offers pretest, instruction, and posttest
- Used for review or for concept attainment
- Provides immediate feedback on practice questions
- Supports test-taking strategies for college entry exams
- Quick and easy reporting
- eBadges and certificates upon successful completion

About WIN Learning

Since 1996, WIN's integrated approach to career readiness has given more than 10 million learners worldwide the tools, confidence, and skills necessary to excel. Our e-learning solutions include academic and employability skills courseware, assessments, and credentials as an important foundation for creating a more effective and efficient system to prepare learners and job seekers for career and life success.

College Readiness Courseware Topics:

Pre-Algebra includes basic operations with whole numbers and fractions, order of operations, ratios, and proportions.

Algebra includes algebraic expressions, exponents, factoring, equations, inequalities, absolute value, functions, and variations.

Geometry includes angles, triangles, circles, perimeter, area, volume, similarity, congruence, coordinate graphing, and basic trigonometry.

Reading includes reading comprehension, vocabulary, root words, suffixes, prefixes, literary terms, and tips on how to approach a college reading assessment.

Writing & English includes subject-verb agreement, verb tenses, pronoun-antecedent agreement, parallel structure, voice, modifiers, sentence structure, diction, and paragraph structure.

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