English	Usage/ Mechanics	❖ Punctuation ❖ Grammar and Usage ❖ Sentence Structure
	Rhetorical Skills	❖ Strategy ❖ Organization ❖ Style
Reading	Types of Passages	❖ Social Studies, Natural Sciences ❖ Literary, Humanities
	Main Idea	❖ Understand main ideas in given passages
	Locate Details	❖ Locate details within a passage and interpret them ❖ Refer to a specific line in the text and ask what it means ❖ Interpret sequence of events and flow of ideas ❖ Make comparisons
	Vocabulary	❖ Understand cause-effect relationships ❖ Determine the meaning of words, phrases, and statements in context ❖ Draw generalizations ❖ Analyze the author's or narrator's tone and purpose
	Function and Development	❖ Describe the effect of a phrase, sentence, or paragraph in the context of an entire passage ❖ How ideas are arranged within the passage
	Implied Ideas	❖ What does a line, paragraph, or the whole passage imply?
Science	Data Representation	❖ Ability to read and understand data, charts, graphs
	Research Summaries	❖ Understanding what a controlled variable is and how it relates to scientific study structure.
	Conflicting Viewpoints	❖ Read two different viewpoints and compare the similarities and differences

Math		
Pre-Algebra	❖ Basic operations using whole numbers, decimals, fractions, and integers ❖ Place value, Square roots and approximations ❖ The concept of exponents, Scientific notation, Factors ❖ Ratio, proportion, and percent ❖ Linear equations in one variable ❖ Absolute value and ordering numbers by value ❖ Elementary counting techniques and simple probability ❖ Data collection, representation, and interpretation ❖ Understanding simple descriptive statistics	
Elementary Algebra	❖ Properties of exponents and square roots ❖ Evaluation of algebraic expressions through substitution ❖ Using variables to express functional relationships ❖ Understanding algebraic operations ❖ The solution of quadratic equations by factoring	
Intermediate Algebra	❖ The quadratic formula, Rational and radical expressions ❖ Absolute value equations and inequalities ❖ Sequences and patterns, Systems of equations ❖ Quadratic inequalities, Functions and modeling ❖ Matrices, Roots of polynomials, Complex numbers	
Coordinate Geometry	❖ Graphing and the relations between equations and graphs, including points, lines, polynomials, circles, and other curves ❖ Graphing inequalities, Slope, Midpoints, Conics ❖ Parallel and perpendicular lines, Distance	
Plane Geometry	❖ Properties and relations of plane figures, including angles and relations among perpendicular and parallel lines ❖ Properties of circles, triangles, rectangles, parallelograms, and trapezoids ❖ Transformations, Volume ❖ The concept of proof and proof techniques ❖ Applications of geometry to three dimensions	
Trigonometry	❖ Trigonometric relations in right triangles ❖ Values and properties of trigonometric functions ❖ Graphing and Modeling using trigonometric functions	
Tips, Techniques & Time Management	❖ How to solve problems in a minute using short cut methods, tips and techniques	