List of Academic Skills

Critical Reading Skills

**Determining the Meaning of Words**
Use vocabulary skills, context, roots, prefixes and suffixes to determine the meaning of words.

**Author’s Craft**
Understand how authors use tone, style and writing devices such as metaphor or symbolism.

**Reasoning and Inference**
Understand assumptions, suggestions and implications in reading passages and draw informed conclusions.

**Organization and Ideas**
Understand the organization of a reading passage, and identify the main and supporting ideas.

**Understanding Literary Elements**
Understand literary elements such as plot, setting and characterization.

Mathematics

**Number and Operations**
Understand types of numbers (integers, fractions, decimals), their properties and the correct order of operations (addition, multiplication, division). Perform computations correctly.

**Algebra and Functions**
Solve problems using algebraic expressions and symbols to represent relationships, patterns and functions of different types.

**Geometry and Measurement**
Solve problems based on understanding the properties of shapes, such as triangles and circles, and the spatial relationships between angles and lines.

**Data, Statistics and Probability**
Analyze data, understand descriptive statistics, make inferences and determine the likelihood that certain events will occur.

**Problem Solving**
Solve abstract and practical problems by applying and adapting a variety of strategies. Monitor progress and evaluate answers in terms of questions asked.

**Representation**
Use and translate among representations including verbal, numerical, symbolic and graphical to communicate mathematical ideas and solve problems.

**Reasoning**
Develop and use mathematical arguments and proofs to explore the truth of conjectures and justify conclusions.

**Connections**
Connect ideas from different areas of mathematics (particularly geometry and algebra) to state or solve abstract or applied problems.

**Communication**
Express mathematical ideas precisely and communicate them coherently and clearly in the language and notation of mathematics.

Writing Skills

**Manage Word Choice and Grammatical Relationships Between Words**
Understand relationships between and among words, including subject–verb agreement, pronoun reference, and verb form and tense.

**Manage Grammatical Structures Used to Modify or Compare**
Understand correct use of adjectives or adverbs, comparative structures (such as neither and nor) and phrases used to modify or compare.

**Manage Phrases and Clauses in a Sentence**
Use well-formed sentence structures (e.g., parallelism, connectives, and relative clauses) to indicate relationships between and among sentence elements.

**Recognize Correctly Formed Sentences**
Recognize correct sentence structure.

**Manage Order and Relationships of Sentences and Paragraphs**
Identify how to order the elements of a sentence or paragraph to improve clarity, meaning and the progression of ideas.