

Presented by GCC Tutoring Services

# TEAS

## Test of Essential Academic Skills

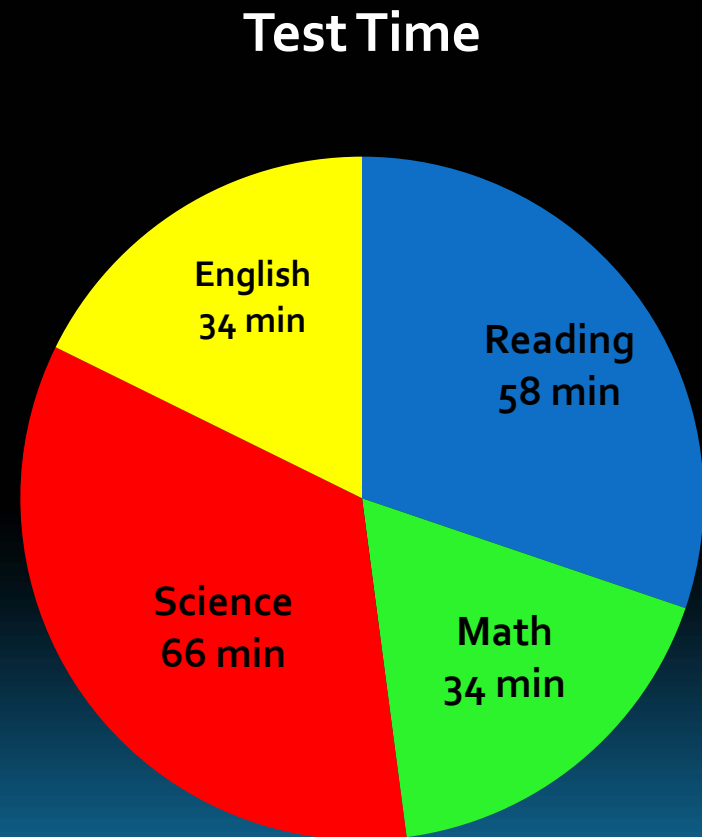
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# Purpose

- The TEAS is given to adult nursing program applicants with the purpose of measuring basic skills in specific academic content areas.
- The objectives covered on the TEAS are those which nurse educators deemed most relevant to measure entry level skills and abilities of applicants.

# Test Time

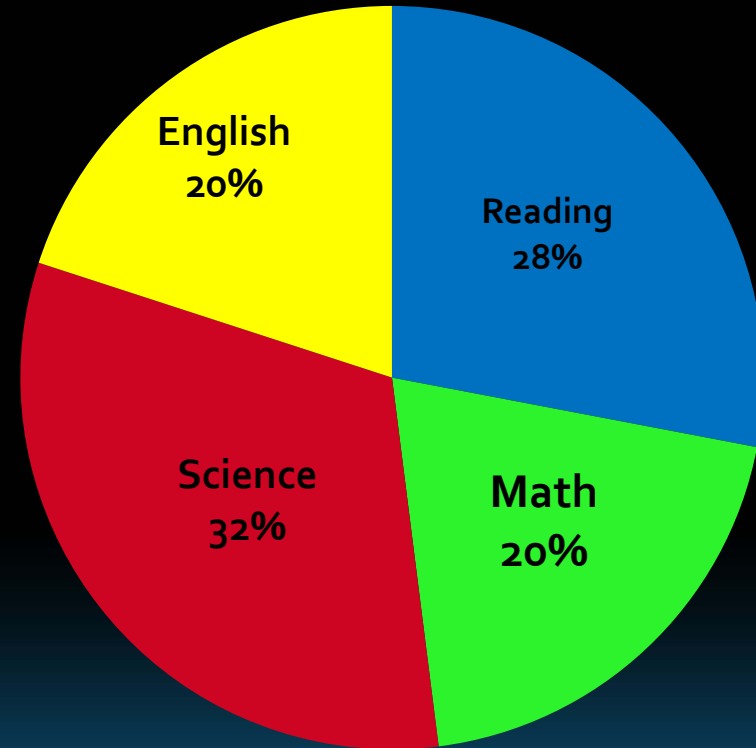
- Time Limit: 209 min (3.5 hours)
  - Reading – 58 min
  - Mathematics – 34 min
  - Science – 66 min
  - English and Language Usage – 34 min



# Test Format

- 170 Four-option multiple choice questions:
  - **Reading** – 42 questions
    - Paragraph and Passage Comprehension -19
    - Informational Source Comprehension -23
  - **Mathematics** – 30 questions
    - Numbers and Operators -19
    - Measurement -4
    - Data Interpretation -3
    - Algebraic Applications -4
  - **Science** – 48 questions
    - Scientific Reasoning -11
    - Human Body Science -15
    - Life Science -14
    - Earth and Physical Science -8
  - **English and Language usage** – 30 questions
    - Grammar and Word Meanings in Context -15
    - Spelling and Punctuation -9
    - Structure -6
  - *Additional 20 unscored pretest items*

Subject Areas



# Reading

- **Paragraph and Passage Comprehension**
  - Primary Sources
  - Facts, Opinions, Biases, and Stereotypes
  - Characteristics of Different Passage Types
  - Topic, Main Idea, Supporting Details, Themes
  - Topic and Summary Sentences
  - Logical Conclusions of a Reading Selection
  - Predictions, Inferences, and Conclusions
  - Position and Purpose
  - Persuasive, Informative, Entertaining, and Expressive Passages
  - Historical Content
  - Ways the Literature From Different Cultures Present Similar Themes
  - Text Structures

# Reading

- **Informational Source Comprehension**
  - Sets of Directions
  - Labels' Ingredients and Directions
  - Definitions in Context
  - Printed Communications
  - Indexes and Tables of Contents
  - Product Information: One Product is the More Economical Buy
  - Information from a Telephone Book
  - Sources for Locating Information
  - Sample Listings of Items and Costs
  - Graphic Representations of Information
  - Scale Readings
  - Legends and Keys of Maps
  - Headings and Subheadings
  - Text Features

# Mathematics

(NO CALCULATORS ALLOWED)

- **Numbers and Operations**

- Order of Operations
- Subtraction of Whole Numbers With Regrouping
- One- and-Two-Step Word Problems With Whole Numbers , Fractions, or Decimals
- Addition and Subtraction of Fractions or Mixed Numbers
- Multiplication and Division of Fractions or Mixed Numbers
- Decimal Placement in a Product or Quotient
- Conversion Between Irrational Numbers and Approximate Decimal Form
- Calculation of Percents
- Conversion Between Percents, Fractions, and Decimals

# Mathematics

(NO CALCULATORS ALLOWED)

- **Numbers and Operations cont.**

- Comparison of Rational Numbers
- Estimation of the Solution to a Problem
- Reconciliation of a Checking or Savings Account
- Calculation of Take-Home Pay
- Cost of a Given Set of Items
- Materials and Costs of Planning an Event
- Word Problems Involving Percents, Ratios, Proportions, and Rates of Change
- Conversion Between Roman and Arabic Numerals

- **Measurement**

- Estimation of Metric Quantities
- Conversion from One Measurement Scale to Another
- Appropriate Units of Measure and Measurement Tools
- Determination of a Measurement Based on Given Measurements.

# Mathematics

**(NO CALCULATORS ALLOWED)**

- **Data Interpretation**
  - Dependent and Independent Variables
  - Interpretation of Data From Line, Bar, and Circle Graphs
  - Organization of Data Using Tables, Charts, and Graphs
- **Algebraic Applications**
  - Addition, Subtraction, Multiplication, and Division of Polynomial Terms
  - Translation of Word Phrases and Sentences Into Expressions, Equations, and Inequalities
  - Equations with One Unknown
  - Equations or Inequalities Involving Absolute Values

# Science

- **Scientific Reasoning**

- Reasons for Conducting Investigations
- Questions and Concepts that Guide Scientific Investigations
- Communication and Defense of Scientific Arguments
- Reasons to Include Technology and Mathematics in Science Research
- Use of Technology and Mathematics to Improve Investigations
- Alternative Explanations and Models
- Formulation and Revision of Scientific Explanations and Models

# Science

- **Human Body Science**
  - Anatomy and Physiology
  - Circulatory System
  - Respiratory System
  - Nervous System
  - Digestive System
  - Immune System
  - Factors that Influence Birth and Fertility Rates
  - Population Growth and Decline

# Science

- **Life Science**

- Biological Classification System
- Natural Selection and Adaptation
- Nucleic Acids
- Parts of a Cell
- Cellular Organelles
- Chromosomes, Genes, Proteins, RNA, and DNA
- Cell Differentiation
- RNA and DNA Involvement in Cell Replication
- Mitosis and Meiosis
- Photosynthesis and Respiration
- Storage of Hereditary Information
- Changes in DNA and Mutations in Germ Cells
- Phenotypes and Genotypes
- Mendel's Laws of Genetics and the Punnett Square

# Science

- **Earth and Physical Science**

- The Sun
- Kinetic, Potential, and Other Energies
- Measurable Portions of Atoms
- Protons, Neutrons, and Electrons
- Purpose of Catalysts
- Physical and Chemical Patterns Within the periodic Table
- Enzymes
- Acid and Base Solutions
- Chemical Bonds Between Atoms in Common Molecules
- Chemical Bonds Resulting from Sharing or Transferring Electrons
- Important Chemical Reactions: Balancing and Identifying
- Chemical Properties of Water
- Atoms or Molecules in Liquids, Gases, and Solids
- Evaporation, Vaporization, and Condensation

# English and Language Usage

- **Grammar and Word Meanings in Context**
  - Parts of Speech
  - Subject-Verb Agreement
  - Pronoun-Antecedent Agreement
  - Use of Dialogue
  - First, Second, and Third Person
  - Grammar for Style and Clarity
  - Context Clues
  - Word Structure

# English and Language Usage

- **Structure**

- Simple Sentences
- Organized and Logical Paragraphs
- Sentence Fluency

- **Spelling and Punctuation**

- Spelling
- Commonly Misspelled Words
- Capitalization
- Ellipses, Commas, Semicolons, Hyphens, and Parentheses
- Quotation Marks and Apostrophes

# Study Resources

- ATI offers a TEAS study guide packet which includes:
  - TEAS V Online Practice Assessments – two versions: A and B (\$32 each)
  - TEAS Study Manual (\$38.95)
  - Package includes: study manual and online practice assessments versions A and B (\$85)

These are available for purchase at

[www.atitesting.com](http://www.atitesting.com)

# Additional Resources

## ACADEMIC HANDOUTS

- There are numerous handouts available for your use. They can be found in the hallway outside room 208 at LCG or FAC1. They can also be downloaded from the tutoring services website.
- EXAMPLES of some of these helpful handouts:
  - Exponents, Radicals, and Scientific Notation
  - Introduction to Fractions
  - Signed Numbers and Order of Operations
  - Guide to English Grammar
  - Comma Rules
  - Balancing Chemical Equations
  - Chemical Conversions and Problems

# Additional Resources

## ACADEMIC LINKS

- There are many reputable academic links that are available to you from Germanna's tutoring services website: [www.germannna.edu/tutor/](http://www.germannna.edu/tutor/)
- Examples of these are:
  - Purple math.com – a great math tutorial site
  - testprepreview.com – practice TEAS questions
  - Getbodysmart.com – anatomy and physiology practice

# Test Anxiety

RELAX!!!!!!!!!!

Many students have test anxiety, so you are not alone. Thankfully, there are ways to overcome this feeling.

## ➤ Handouts:

### ➤ Managing Test Anxiety

[http://www.germannanna.edu/tutor/Handouts/Study\\_Skills/Managing\\_Test\\_Anxiety.pdf](http://www.germannanna.edu/tutor/Handouts/Study_Skills/Managing_Test_Anxiety.pdf)

### ➤ Test Taking Tips

[http://www.germannanna.edu/tutor/Handouts/Study\\_Skills/Test-Taking\\_Tips.pdf](http://www.germannanna.edu/tutor/Handouts/Study_Skills/Test-Taking_Tips.pdf)

## ➤ Online Workshop:

### ➤ Test -Taking Techniques and Test-Anxiety

[http://www.germannanna.edu/tutor/Handouts/Workshops/Test\\_Taking\\_Techniques.pdf](http://www.germannanna.edu/tutor/Handouts/Workshops/Test_Taking_Techniques.pdf)

You have the tools,  
now go prepare yourself!

Good luck!