

TIA

Curriculum

Grade 7

Language Arts

Reading strategies

- Main idea
- Theme
- Author's purpose and tone
- Text structure
- Literary devices
- Analyzing literature
- Analyzing informational texts
- Comparing texts
- Visual elements

Writing strategies

- Organizing writing
- Developing and supporting arguments
- Persuasive strategies
- Editing and revising
- Research skills

Vocabulary

- Prefixes and suffixes
- Greek and Latin roots
- Synonyms and antonyms
- Homophones
- Shades of meaning
- Analogies
- Context clues
- Domain-specific vocabulary
- Reference skills

Grammar and mechanics

- Sentences, fragments, and run-ons
- Phrases and clauses

- Nouns
- Pronouns and antecedents
- Pronoun types
- Verb types
- Subject-verb agreement
- Verb tense
- Adjectives and adverbs
- Prepositions
- Conjunctions
- Misplaced modifiers
- Restrictive and nonrestrictive elements
- Commas
- Semicolons, colons, and commas
- Dashes, hyphens, and ellipses
- Capitalization
- Formatting

Mathematics

- Number theory
- Integers
- Fractions and mixed numbers
- Operations with fractions
- Rational numbers
- Exponents and square roots
- Ratios, rates, and proportions
- Proportional relationships
- Percents
- Consumer math
- Problem solving and estimation
- Units of measurement
- Coordinate plane
- Number sequences
- Expressions and properties
- One-variable equations
- One-variable inequalities
- Two-variable equations
- Linear functions
- Two-dimensional figures
- Three-dimensional figures
- Geometric measurement
- Scaled drawings

- Transformations and congruence
Pythagorean theorem
- Data and graphs
- Statistics
Probability
- Geometry
- Algebra

Science

- Designing experiments
- Engineering practices
- Density
- Atoms and molecules
- Chemical reactions
- Velocity, acceleration, and forces
- Kinetic and potential energy
- Thermal energy
- Particle motion and energy
- Waves
- Solutions
- Classification and scientific names
- Biochemistry
- Cells
- Anatomy and physiology
- Genes to traits
- Adaptations and natural selection
- Fossils
- Plant reproduction
- Photosynthesis
- Ecosystems
- Ecological interactions
- Conservation
- Natural resources and human impacts
- Rocks and minerals
- Plate tectonics
- Topographic maps
- Earth's systems
- Weather and climate
- Climate change
- Astronomy
- Units and measurement

- Computer and technology

Social Studies

Physical Geography

- The Americas: society and environment
- The Americas: geography
- Europe: society and environment
- Europe: geography
- Africa: society and environment
- Africa: geography
- The Middle East: society and environment
- Asia: society and environment
- Asia: geography
- Oceania: geography

History

- Ancient Mesopotamia
- Ancient Egypt and Kush
- Early China
- Ancient South Asia
- Comparing ancient river civilizations
- The Silk Road
- World religions
- Greece
- Rome and the Byzantine Empire
- Islamic empires
- African empires
- Medieval Asia
- Medieval Europe
- Early Modern Europe
- Early Americas
- Age of Exploration
- Government
- The Constitution
- The legal system
- Citizenship
- Colonial America
- The American Revolution
- The Early Republic
- The Jacksonian periods

- The Antebellum period
- The Civil War
- Reconstruction
- Modern U.S. history

Basic economic principles

- Economic system
- Banking and finance
- Supply and demand

Health Education

- Social and Emotional Health
- Nutrition and Fitness
- Safety, First Aid, and Injury Prevention
- Disease Prevention and Control

Character Building

- Independence
- responsibility
- determination
- friendship
- enthusiasm
- self-confidence
- gratefulness
- respectfulness
- listening skills
- organization skills
- kindness
- Conflict Resolution
- Empathy
- Honesty

Physical Education

- Soccer
- Basketball
- Volleyball
- Swimming

Music, Dance, Art and Craft