



NAMC Upper Elementary (9-12) Curriculum Support Material

- **6-12 CLASSROOM GUIDE**
 - A. Observation Forms, Forms Related to Applications for Volunteer, Internship and Paid Positions, Evaluation Forms

- **WORLD HISTORY**
 - A. Time and The Rotation of the Earth
 - B. The 12-Hour and 24-Hour Clock Systems
 - C. Common Needs of Early People
 - D. The Maya
 - E. Early European Explorers
 - F. Research Questions
 - G. Research
 - H. Research Report

- **ZOOLOGY**
 - A. Local Animals
 - B. External Anatomy and Classification
 - C. Identification
 - D. Internal Anatomy and Physiology
 - E. Adapting to Different Habitats
 - F. Relationship of Humans with Animals

Mastery Checklists

- A. Mastery Checklist Instructions
- B. World History Year 4
- C. World History Year 5
- D. World History Year 6

Mastery Checklists

- A. Mastery Checklist Instructions
- B. Zoology Year 4
- C. Zoology Year 5
- D. Zoology Year 6

- **LANGUAGE ARTS**
 - A. Blank Review Sheets
 - B. Grammar Symbols

Language Arts 1

- A. Review Sheets
- B. Speaking Skills
- C. Public Speaking
- D. Interviews
- E. Handwriting
- F. Grammar
- G. Review of Parts of Speech
- H. Nouns
- I. Pronouns
- J. Articles
- K. Adjectives
- L. Conjunctions
- M. Prepositions
- N. Verbs
- O. Adverbs
- P. Sentence Analysis

Language Arts 2

- A. Review Sheets
- B. Reading and Literature
- C. Novels
- D. Punctuation
- E. Word Study
- F. Word Families, Graphemes, and Homonyms
- G. Acronyms, Abbreviations, and Contractions
- H. Hyphenation
- I. Dictionaries
- J. Writing Essays and Research Reports
- K. Choosing a Topic and an Approach
- L. Gathering Information
- M. Organizing Information
- N. Brainstorming, Mapping, and Making an Outline
- O. Writing, Revising, and Presenting

Mastery Checklists

- A. Mastery Checklist Instructions
- B. Language Arts Year 4
- C. Language Arts Year 5
- D. Language Arts Year 6

- **MATHEMATICS**

Math 1 — Whole Numbers and Fractions

- A. Numerical Place Value in the Decimal System
- B. Operations with Whole Numbers
- C. Multiples, Factors, and Divisibility
- D. Fractions
- E. Decimal Fractions
- F. Percent, Ratio, and Proportion
- G. Rounding Off Numbers

Math 1 Practice Sheets

- A. Math 1 Practice Sheets Working Copy
- B. Math 1 Practice Sheets Control Copy

Math 2 – Negative Number and Pre-Algebra

- A. Negative Numbers
- B. Non-Terminating Decimals and Irrational Numbers
- C. Pre-Algebra

Math 2 Practice Sheets

- A. Math 2 Practice Sheets Working Copy
- B. Math 2 Practice Sheets Control Copy

Math 3 – Practical Applications and Geometry**Practical Applications of Mathematics**

- A. Word Problems
- B. Money
- C. Measurement
- D. Weight
- E. Liquid Volume
- F. Temperature
- G. Graphs
- H. Bar Graphs and Circle Graphs
- I. Line Graphs and Scatter Plots
- J. Graphing with Ordered Pairs
- K. Statistics

Geometry

- A. Lines and Angles
- B. Triangles
- C. Quadrilaterals
- D. Many-Sided Polygons
- E. Parts of the Circle
- F. Geometric Solid Shapes
- G. Line Symmetry

Constructing Geometric Figures: Circles, Ellipses and Squares

- A. Constructing the Regular Polyhedra
- B. Calculating Area of Polygons and Circles
- C. Calculating Volume of Geometric Solids
- D. Pythagorean Theorem

Extras

- A. Additional Curriculum Support Material

Math 3 Practice Sheets

- A. Math 3 Practice Sheets Working Copy
- B. Math 3 Practice Sheets Control Copy

Math Templates

- A. Algebraic Pegboard
- B. Algebraic Pegboard (color)
- C. Binomial Square – Full
- D. Binomial Square – Full (color)
- E. Binomial Square – Simple
- F. Binomial Square – Simple (color)
- G. Checkerboard
- H. Checkerboard (color)
- I. Decimal Fraction Board
- J. Decimal Fraction Board (color)
- K. Monomial Square
- L. Monomial Square (color)
- M. Trinomial Square – Full
- N. Trinomial Square – Full (color)
- O. Trinomial Square – Simple
- P. Trinomial Square – Simple (color)

Mastery Checklists

- A. Mastery Checklist Instructions

Math Mastery Checklists

- A. Mathematics Year 4
- B. Mathematics Year 5
- C. Mathematics Year 6

Geometry Mastery Checklists

- A. Geometry Year 4
- B. Geometry Year 5
- C. Geometry Year 6

- **CULTURAL GEOGRAPHY**
 - A. Maps and Mapping
 - B. Overview of Cartography
 - C. The Continents
 - D. The US and Canada
 - E. Environment and Culture

- **SCIENTIFIC METHOD & TECHNOLOGY**
 - A. Scientific Method
 - B. Technology
 - C. Technology Research Projects for Older Students

- **ASTRONOMY & ECOLOGY**
 - A. Current Scientific Theory About the Creation of the Universe
 - B. The Life Cycle of Stars
 - C. The Visibility of Stars and the Constellations
 - D. Light-Years
 - E. Astronomical Tools
 - F. The Solar System
 - G. Earth and Sun
 - H. The Moon, Tides, and Eclipses
 - I. Asteroids, Comets, and Meteors
 - J. Ecology
 - K. The Web of Life
 - L. Food Chains
 - M. Dependence and Interdependence
 - N. Adaptation and Evolution DNA
 - O. Water Pollution
 - P. Air Pollution

Mastery Checklists

- A. Mastery Checklist Instructions
- B. Cultural Geography Year 4
- C. Cultural Geography Year 5
- D. Cultural Geography Year 6

Mastery Checklists

- A. Mastery Checklist Instructions
- B. Scientific Method and Technology Year 4
- C. Scientific Method and Technology Year 5
- D. Scientific Method and Technology Year 6

Mastery Checklists

- A. Mastery Checklist Instructions
- B. Astronomy and Ecology Year 4
- C. Astronomy and Ecology Year 5
- D. Astronomy and Ecology Year 6

- **US HISTORY**

- A. Indigenous Peoples
- B. Early European Explorers
- C. First Immigrants
- D. The Virginia Colony
- E. The Plymouth Colony
- F. Life in the 13 Colonies
- G. Slavery
- H. The American Revolution and the Declaration of Independence
- I. Westward Expansion
- J. The War of 1812
- K. The American Civil War
- L. Technological and Social Changes, 1800–1914
- M. The Effect of World Wars and Other Events, 1914–1945
- N. The States
- O. The American People
- P. Government, Politics, and Citizenship

Mastery Checklists

- A. Mastery Checklist Instructions
- B. US History Year 4
- C. US History Year 5
- D. US History Year 6

- **PHYSICAL GEOGRAPHY**

- A. Climate and the Atmosphere
- B. Global Weather Patterns
- C. Weather Systems and Weather Maps
- D. The Water Cycle, Clouds and Rainbows
- E. Oceans and Seas
- F. Rivers of Water and Ice
- G. Lakes, Wetlands, and Aquifers
- H. The Earth's Layers
- I. Volcanoes
- J. Earthquakes
- K. Continents, Islands, and Coastlines
- L. Mountains, Valleys and Plains
- M. Rocks and Minerals
- N. Weathering and Erosion

Mastery Checklists

- A. Mastery Checklist Instructions
- B. Physical Geography Year 4
- C. Physical Geography Year 5
- D. Physical Geography Year 6

- **BOTANY AND MICROSCOPIC STUDY**

- A. Plant Review
- B. Classification
- C. Roots
- D. Stems
- E. Leaves
- F. Flowers
- G. Fruits and Seeds
- H. Identification
- I. Basic Needs of Plants
- J. Humans and Plants
- K. Microscopic Study
- L. Microorganisms and Food Spoilage

Mastery Checklists

- A. Mastery Checklist Instructions
- B. Botany and Microscopic Study Year 4
- C. Botany and Microscopic Study Year 5
- D. Botany and Microscopic Study Year 6

- **HEALTH SCIENCES**

- A. Inside the Human Body
- B. Safe Food Handling and Nutrition
- C. Wellness
- D. Healthy Relationships with Self and Others
- E. Physical Education

Mastery Checklists

- A. Mastery Checklist Instructions
- B. Health Sciences Year 4
- C. Health Sciences Year 5
- D. Health Sciences Year 6

- **MATTER AND ENERGY**

Matter

- A. Atoms
- B. Molecules
- C. Chemical Elements
- D. The States of Matter
- E. Water Pressure and Air Pressure
- F. Combinations of Matter
- G. Density

Mastery Checklists

- E. Mastery Checklist Instructions
- F. Matter and Energy Year 4
- G. Matter and Energy Year 5
- H. Matter and Energy Year 6

Energy

- A. Energy Sources
- B. Sound
- C. Light
- D. Electricity and Magnetism
- E. Gravity, Friction, and Inertia