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

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

• **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. 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 1 Bonus Material
  A. Writing Equivalent Fractions

  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 2 Bonus Material
  A. Equalities and Inequalities

  Math 3 — 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

  Nomenclature Cards — Angles

  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

Mastery Checklists
A. Mastery Checklist Instructions

Cultural Geography Mastery Checklists
A. Cultural Geography Year 4
B. Cultural Geography Year 5
C. Cultural Geography Year 6

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

Mastery Checklists
A. Mastery Checklist Instructions

SM & T Year 4
B. SM & T Year 5
C. SM & T Year 6

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

Astronomy and Ecology Year 4
B. Astronomy and Ecology Year 5
C. Astronomy and Ecology Year 6
• REGIONAL HISTORY
  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

• CANADIAN HISTORY
  A. Indigenous Peoples
  B. Early European Explorers
  C. Life For Early Pioneers
  D. Initial Divisions of Land
  E. Expansion of Europeans into the West
  F. The War of 1812
  G. The Union Period
  H. Confederation
  I. Technological and Social Changes, 1867–1914
  J. The Effect of World Wars and Other Events, 1914–1945
  K. The Provinces and Territories
  L. The Canadian People
  M. 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

• 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

• 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

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

• 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

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

  A. Mastery Checklist Instructions
  B. Matter and Energy Year 4
  C. Matter and Energy Year 5
  D. Matter and Energy Year 6