

Seventh Curriculum Packet (Michigan)

NHA Curriculum

NHA has invested significant resources studying state and national standards, and learning about organizations such as ACT to determine what students need to understand in order to be on the track for college before they enter high school. Our custom-built curriculum has been designed backward from eighth grade to kindergarten to ensure that each child learns the concepts, strategies, and skills necessary to be on track for college, starting with their first year of school.

How Does It Work?

Teachers plan each lesson around specific objectives from the NHA Curriculum and help students understand what those objectives mean. Lessons are planned with very specific goals in mind, goals which are made clear to students. Knowing the end goal helps teachers plan carefully, which, in turn, helps students effectively connect with their learning.

How Will We Know They Have Learned?

Teachers use the information-gathering process known as formative assessment to determine what adjustments need to be made in the learning process in order to challenge each child to achieve. The formative assessment process gives teachers the detailed information they need to understand where each student is in their level of understanding, which is most critical factor for their continued learning. Students need regular feedback to know how they are performing and what they can do to reach their goals.

Monitoring Student Progress

The way we assess and report your child's progress is as unique as the curriculum we teach them. It is a fundamental shift from traditional percentages and overall letter grades of the past. Through the NHA Scoring Scales, teachers can determine with greater accuracy how your child is doing towards mastering grade-level material and adjust their instruction to better help your child learn and grow.

The NHA Scoring Scales

The NHA Scoring Scales provide detailed information about what the teacher is looking for while assessing an objective on a scale of 0-4.0. This is where the real difference lies. You may remember from past school experiences that a 4.0 meant an "A". In the NHA Scoring Scales, a 4.0 does not equal an "A" but is defined as going beyond what was taught in class. By our definition, the 3.0 level means that your child is achieving at grade-level and mastering expectations. The NHA Scoring Scales take the guesswork out of where the students are and need to be and provide the essential information teachers need to create lessons, assignments, and assessments that reflect true grade-level objectives. The teacher can use that information to plan future instruction; the student can use that information to understand and adjust her learning; and parents can use that information to get an overall picture of their student's progress towards the learning goals. Having a specific target and being able to show a student's progress toward that target is what makes the NHA Curriculum and Scoring Scales a powerful tool for teachers, students, parents, and caregivers.

Report Cards

Report cards will look very different this year. They begin with a one-page summary of student performance in each content area. They also contain several pages of details about each target learning area (called Measurement Topics) and personalized graphs that give a visual representation of each student's academic growth for every Measurement Topic studied in that quarter. Personalized notes for each Measurement Topic will give parents more useful information than ever before.

NHA ELA Exemplar: Reading Grade Seven

Measurement Topic: Fluency and Vocabulary Development

The student will apply reading skills and strategies to recognize and comprehend individual words, phrases, sentences, and to read texts fluently

- Identify and use words from different languages (e.g., history {Greek}, fellow {Scandinavian}, sergeant {French}, chocolate {Spanish}, umbrella {Italian}, tattoo {German}, sugar {Arabic}, banana {African}, moccasin {Native American})
- Use structural and syntactic cues to recognize unfamiliar words in context
- Use reference materials to determine word meaning:
- Read seventh grade-level texts fluently, with appropriate pacing, voice, inflection, and intonation
- Recognize a large body of grade-level and frequently used words automatically
- Extend vocabulary through reading and explicit instruction, including words from math, science, and social studies areas

Measurement Topic: Comprehension

The student will apply a range of reading and comprehension skills and strategies to construct meaning from a variety of texts, both fiction and nonfiction

- Apply comprehension strategies before, during, and after reading:
- Distinguish between personal reading choices:
- Determine how a work of literature reflects the heritage and traditions of its author
- Analyze cause and effect in text:
- Read both student- and teacher-selected texts from a variety of genres , forms and authors; select appropriate texts from classroom, school, and public libraries

Measurement Topic: Expository/Informational Text

The student will apply a range of reading skills to read and comprehend informational text

- Analyze common textual features (e.g., appendix, table of contents {including organizational conventions such as Arabic and Roman numerals}, glossary, and bibliography)
- Analyze informational text:
- Process information in text:
- Identify and analyze a Moral Focus theme in a text and relate it to personal and societal issues

Measurement Topic: Literary Response and Analysis

The student will apply a range of reading skills and strategies to read from a wide variety of literary genres to make text-to-text, text-to-self, and text-to world connections

- Analyze characteristics of literary forms and genres (e.g., historical fiction and nonfiction, biography, autobiography, epic poem, novella)
- Analyze characteristics of finer elements of fiction and their effect on larger elements (e.g., mood, plot, character, resolution):
- Analyze characteristics of finer elements of poetry:
- Analyze central ideas and recurring themes (e.g., coming of age, culture clash) within and across texts and relate them to personal and societal issues
- Respond to a story related to a Moral Focus theme by making text-to-self and text-to-world connections

NHA Exemplar: Writing

Measurement Topic: Audience and Purpose

The student will demonstrate an understanding of audience and purpose in writing

- Maintain a varied portfolio:
- Discriminate among multiple possible purposes and select the most useful
- Discriminate among multiple possible audiences and select the most useful (e.g., when writing about peer pressure and drugs, determine that an audience of classmates might be the most relevant)

Measurement Topic: Drafting and Revising

The student will draft, revise, edit, and publish writing using the writing process

- Apply prewriting strategies to plan and organize writing (e.g., discussion, outlining, graphic organizers, writing models, background research):
- Review and revise writing:

Measurement Topic: Writing Applications

The student will use different types of writing to communicate ideas, concepts, emotions, and descriptions

- Write biographical or autobiographical narratives:
- Write fictional narratives
- Write responses to literature:
- Write expository/persuasive compositions:
- Write personal and business correspondence and technical documents:
- Write narrative (personal or literary), expository, or persuasive compositions that incorporate a Moral Focus theme, following all the conventions of the selected format

Measurement Topic: Research and Information Organization

The student will employ appropriate methods and resources to research and report on an inquiry topic

- Collect, analyze, and represent data from observations:
- Form and defend a hypothesis about a research topic:
- Use basic interviewing techniques (e.g., prepare detailed questions in advance, take notes)
- Use a specified format to cite sources in notes and bibliography (MLA, APA)
- Write a research paper about a notable person of history or science, making connections to one or more of the Moral Focus themes (See Science and Social Studies Objectives for list)

NHA Exemplar: Language Usage

Measurement Topic: Spelling and Language Mechanics

The student will apply the conventions of spelling, punctuation, and capitalization in their own writing

- Spell low-frequency and grade appropriate words:
- Use correct punctuation (e.g., hyphens, brackets, and dashes)
- Identify proper text conventions for titles of various works (e.g., italics or underlining for titles of books and magazines; quotation marks for the titles of poems, short stories, songs, and chapters)

Measurement Topic: Language Conventions

The student will apply the conventions of grammar in their own writing and while speaking

- Analyze different parts of speech:
- Use compound-complex sentences (sentences with two or more main clauses and two or more subordinate clauses)
- Exhibit subject-verb agreement
- Change tense as needed (e.g., change from present tense to past tense when writing a flashback)
- Use noun, adjective, and adverb clauses and phrases, including prepositional phrases, participial phrases, independent and dependent clauses, and appositives
- Correct run-on sentences, fragments, and comma splices in text
- Use infinitives, participles, and modifiers
- Use transitive and intransitive verbs

NHA Exemplar: Speaking, Listening, and Viewing

Measurement Topic: Speaking Applications

The student will speak clearly and concisely for a variety of purposes and audiences, using appropriate eye contact, volume, gestures, and pacing

- Participate and contribute in discussions (e.g., whole-class seminars, literature circles, work groups, panel discussions, mock trials):
- Create and deliver oral presentations:
- Recite poems (two or more stanzas), dramatic narratives, and soliloquies using clear diction, timing, volume, phrasing, and expression
- Employ verbal and non-verbal techniques for oral presentations that are appropriate for the topic, audience, and purpose (e.g., inflection, modulation of voice, tempo, word choice {precise language, sensory details, colorful modifiers, specialized words}, feeling, expression, tone, volume, enunciation, physical gestures, body movement, eye contact, posture)
- Modify oral presentations based on verbal and non-verbal feedback from the audience (e.g., pacing, tone of voice, details, rearranging words or sentences, repeating points if audience looks confused)

Measurement Topic: Listening Comprehension

The student will apply critical listening and responding skills in order to evaluate, summarize, draw conclusions, make inferences, and gain information

- Analyze and evaluate a speaker's presentation:
- Recognize the way in which language differs across a variety of social situations (e.g., formal and informal speeches, use of slang among peers)
- Analyze the techniques speakers use to communicate a message (e.g., persuasive techniques, effect of word choice, use of slanted or biased material, making an emotional appeal)

Measurement Topic: Analysis and Evaluation of Media

The student will apply critical skills in order to evaluate and analyze media

- Evaluate the persuasive techniques used in presentations and media (e.g., bandwagon, glittering generalities, emotional word repetition, bait and switch, testimonial)
- Compare and contrast communication in visual media:
- Interpret how the type of media affects the coverage of events or issues (e.g., how same event is covered by radio, television, and newspaper; how each medium shapes a point of view; how the limitations and advantages of medium affect coverage)
- Analyze basic influences on media messages and images (e.g., historical events, place in which they were made, laws that govern mass media, target audience, financial sponsorship, cause and effect between media and public opinion)

NHA Math Exemplar: Number Sense and Operations Grade Seven

Measurement Topic: Number Sense and Number Systems

The student will build an understanding of the representations, models, and connections between real numbers

- Read, write, compare, order, and plot rational numbers:
- Find the prime factorization of whole number and express in exponential form
- Generate and evaluate various numbers in exponential form (positive, negative, and zero exponents) (e.g., $5^3 = 5 \times 5 \times 5 = 125$)

Measurement Topic: Operations, Computation, and Estimation

The student will understand the properties and characteristics of real numbers and their application to computation. Students become fluent in applied computations and will build flexibility by utilizing a variety of computational methods, including mental calculations, estimation, and paper-and-pencil calculations

- Calculate the square root of perfect squares
- Apply the algebraic order of operations and properties of real numbers (Identity, Inverse, Zero, Commutative, Associative, Distributive) to simplify expressions and perform computations
- Perform computations involving percents, proportions, and absolute values:
- Model and apply the multiplication and division properties of exponents
- Use estimation strategies to decide whether answers are reasonable
- Use mental arithmetic to compute with simple fractions, decimals, and powers

NHA Math Exemplar: Algebra and Functions

Measurement Topic: Functions and Equations

The student will understand and use variables and algebraic expressions. They will write and solve equations and functions, and use formulas to solve problems and describe patterns

- Write, simplify, and evaluate algebraic expressions, linear equations, and inequalities:
- Solve problems involving monomials, binomials, and polynomials:
- Represent, analyze, and extend patterns and functions:
- Represent linear equations using function notation ($f(x) = mb + b$)

Measurement Topic: Algebraic Representations and Mathematical Models

The student will write equations and functions, represent them on the coordinate plane, and describe the characteristics of the graphs

- Graph linear equations and inequalities:
- Graph and solve quadratic functions:
- Graph absolute value equations
- Translate word phrases into algebraic expressions and algebraic expressions into word phrases

NHA Math Exemplar: Geometry

Measurement Topic: Lines, Angles, and Geometric Objects

The student will analyze characteristics and properties of two- and three-dimensional shapes and develop mathematical arguments about geometric relationships

- Use the Pythagorean Theorem:
- Construct geometric figures (e.g., altitudes, midpoints, diagonals, angle bisectors, central angles, radii, diameters, chords)
- Solve problems involving angles:
- Represent and analyze shapes using coordinate geometry:

Measurement Topic: Transformations, Congruency, and Similarity

The student will apply transformations, use symmetry to analyze mathematical situations, and use visualization, spatial reasoning, and geometric modeling to solve problems

- Draw transformations of figures in the coordinate plane (translations, reflection, rotation)
- Analyze properties of dilation, relating to scale factor and similar figures

NHA Math Exemplar: Measurement

Measurement Topic: Measurement Systems

The student will apply appropriate techniques, tools, and formulas to estimate and measure

- Convert common measurements between and within measurement systems (e.g., foot to meter, miles to feet)
- Select and apply appropriate units and tools to measure and estimate
- Examine the importance of precision when calculating with measurements

Measurement Topic: Perimeter, Area, and Volume

The student will apply appropriate techniques, tools, and formulas to estimate and measure perimeter, area, and volume

- Find the perimeter/circumference and area of regular and irregular two-dimensional shapes
- Find the surface area and volume of cylinders, prisms, pyramids, cones, and spheres
- Analyze characteristics of surface area and volume:

NHA Math Exemplar: Data Analysis and Probability

Measurement Topic: Data Organization and Interpretation

The student will formulate questions that can be addressed with data and collect, organize, display, and interpret relevant data to find answers. They will select and use appropriate statistical methods to analyze data, as well as develop and evaluate inferences and predictions that are based on data

- Organize, display, and interpret data using tables, graphs (line, circle, bar, histogram) and plots (stem-and-leaf, box-and-whisker, scatter)
- Compute the minimum, lower quartile, median, upper quartile, and maximum of a set of data
- Examine the effect of outliers on the mean, median, mode, and range of a set of data
- Investigate the influence of sample selection
- Examine misleading statistics and graphs

Measurement Topic: Probability**The student will understand and apply basic concepts of probability**

- Determine and compare experimental and theoretical probabilities of the same event
- Use permutations and combinations to find possible arrangements
- Express probabilities as odds in favor of or odds against an event occurring
- Make and justify predictions from statistical data and graphs

NHA Math Exemplar: Problem Solving**Measurement Topic: Strategies and Reasoning****The students will apply the problem solving process by understanding problems, choosing and employing strategies to solve problems, monitoring and reflecting on the process of mathematical problem solving, justifying solutions, and extending the problem**

- Analyze problems by identifying relationships, distinguishing relevant from irrelevant information, identifying missing information, sequencing and prioritizing information, and observing patterns
- Select and apply appropriate strategies to solve problems individually or as a group (e.g., modeling with pictures or manipulatives, breaking into simpler parts, solving a simpler problem, work backwards, trial and error, counterexamples, proportionality)
- Express solutions clearly and logically and determine whether an approximate or exact answer is appropriate:
- Analyze different problem solving methods:
- Make and test mathematical conjectures using inductive and deductive reasoning

Measurement Topic: Validity of Results**The students will calculate and verify solutions, and justify the process used to solve the problem**

- Make precise calculations and evaluate the reasonableness of the solution in the context of the problem
- Explain the reasoning used to solve a problem (what you did and why you chose to do it that way)
- Use estimation to verify the reasonableness of calculated results

Michigan Science Grade Seven

UNIT: Introduction to Science

The Nature of Science: Scientific Knowledge

- Analyze similar investigations that yield different results to determine the cause of the difference and develop a plan to eliminate the variables
- Trace the development of an idea to a scientific theory

The Nature of Science: Scientific Inquiry- The Scientific Method

- Propose questions and hypotheses that can be studied through scientific investigations and distinguish them from questions and hypothesis that cannot be examined scientifically
- Explain why only one variable (e.g., independent, dependent, control) can be manipulated at a time
- Describe why questioning, response to criticism, replication, accurate record keeping, and open communication are integral to the process of science

The Nature of Science: Scientific Inquiry- Data Collection and Analysis

- Use appropriate tools, technologies and metric measurements to gather, analyze, and interpret data and report results
- Organize, display, and interpret scientific data in tables, graphs (e.g. line, circle, bar, histogram) and plots (e.g. stem-and-leaf, box-and-whisker, scatter)
- Interpret and evaluate tables, charts, and graphs produced by others
- Cite evidence from tables, charts, and/or graphs in making arguments and claims in oral and written reports
- Describe basic safety procedures in science such as recognizing potential hazards, cautiously manipulating materials and equipment and conducting appropriate procedures

The Nature of Science: Scientific Enterprise- Science and Society

- Describe the diverse nature of science and scientists past and present
- Describe ways in which science and society influence one another

The Nature of Science: Common Themes in Science

- Analyze the parts, subsystems and interactions of a system
- Measure and graph change over time and analyze the results to determine patterns and trends or predict events
- Compare and contrast the properties of objects as they change in scale

UNIT: Cells

The Living Environment: Cell Theory

- Sequence the major points in the development of the cell theory, including important historical figures and technological advancements associated with the theory
- Explain the three components of the cell theory

The Living Environment: Cell Structure and Function

- Describe the basic functions of cell organelles in plant and animal cells
- Describe how materials move into and out of cells in the processes of osmosis, diffusion, and active transport
- Explain how cellular respiration provides cells with the energy needed for them to carry on the functions that sustain life in organisms

UNIT: Heredity

The Living Environment: Genetics and Heredity

- Describe the relationship between genes, proteins, chromosomes, genomes, and DNA and explain their role in the process of heredity
- Compare how genetic material is transferred to offspring in sexual and asexual reproduction
- Use models such as Punnett squares or pedigree charts help determine the probability of traits being expressed

UNIT: Chemistry

Physical Science: Properties of Materials

- Describe physical and chemical properties of a variety of substances
- Describe the function of the periodic table in describing and grouping common earth elements by their basic properties (e.g., symbol, reactivity, metal, non-metal or metalloid, natural state, what products contain them)

Physical Science: Physical States and Changes

- Explain the physical properties of solids, liquids, gases and their changes (contraction & expansion) using the particulate nature of matter model
- Describe phases of matter and changes in phases in terms of particle kinetic energy and energy transfer

Physical Science: Forms of Energy and Their Interactions

- Explain heat, heat energy transfer and temperature in terms of particle kinetic energy
- Compare and contrast conduction, convection, and radiation as methods of heat energy transfer

Physical Science: Mixtures and Solutions

- Describe characteristics of a solution at the particle level, including the process of dissolving, saturation, and concentration

Physical Science: Atoms and Molecules

- Explain how chemical reactions form new substances with new properties from the rearrangement and conservation of atoms

UNIT: Motion and Forces**Physical Science: Forces Effect on Motion**

- Explain the effects of contact and non-contact forces on objects using Newton's First Law
- Explain the relationship between the mass of the object, the size of the net force acting on the object, and the resulting change in motion of the object in real world examples of motion

Physical Science: Measuring Motion

- Analyze the motion of objects in terms of direction and changes in motion
- Describe, measure, and graph quantities that characterize moving objects such as direction, speed, velocity, and acceleration

UNIT: Weather and Water**Earth and Space Science: Weather and Climate**

- Analyze common weather instruments
- Explain how the interaction of air masses influences weather conditions
- Interpret weather maps to describe local, regional and national weather conditions
- Compare and contrast climate regions around the world
- Analyze how radiant energy from the sun heats earth materials and influences weather

Earth and Space Science: Atmosphere

- Describe the composition, characteristics, and structure of the Earth's atmosphere

Earth and Space Science: Water on Earth

- Describe the various paths a water molecule might follow in the water cycle and explain factors that influence each path
- Describe the basic distinguishing characteristics of various locations of water on Earth (E.g. glaciers, ice caps, oceans, wetlands, etc.)

Michigan Social Studies Grade Seven

UNIT: Canada Studies

Geography: Physical Features

- Describe the physical features of different regions on Earth

Geography: Political Features

- Locate geographical areas within regions of the world (countries, capital cities, & major cities)

Economics: Economies of the World

- Explain the impact of trade on a country's economy and relations with other countries
- Compare the economies of different world regions to each other and to the United States using basic economic concepts

World History: Significant Events, Individuals, & Contributions

- Explain the impact of individual explorers and conquistadors on the places they colonized

World History: Current Events in the Context of History

- Apply the 5 Themes of Geography to current events happening throughout the world
- Predict the possible impact of current events throughout the world on the United States

Civics & Government: Government Systems

- Describe different government systems used in countries around the world

People, Culture, & Civilizations: Human Characteristics

- Explain how historical events influenced the language spoken in regions of the world

People, Culture, & Civilizations: Historical Societies & Lifestyles

- Explain the influence that ancient civilizations had on modern society (government, contributions, religion/philosophies, trade, tools/weapons, agriculture, migration/settlement)

UNIT: Middle East Studies

Geography: Physical Features

- Describe the physical features of different regions on Earth

Geography: Political Features

- Locate geographical areas within regions of the world (countries, capital cities, & major cities)

Economics: Economies of the World

- Explain the impact of trade on a country's economy and relations with other countries
- Compare the economies of different world regions to each other and to the United States using basic economic concepts

World History: Significant Events, Individuals, & Contributions

- Explain contributions of ancient civilizations and their influence on modern society
- Explain the impact of major world religions on history and current events

World History: Current Events in the Context of History

- Apply the 5 Themes of Geography to current events happening throughout the world
- Predict the possible impact of current events throughout the world on the United States

Civics & Government: Citizenship-Awareness, Rights, & Responsibilities

- Compare and contrast rights and responsibilities of citizens in other countries to those in the United States

Civics & Government: Government Systems

- Describe different government systems used in countries around the world

People, Culture, & Civilizations: Human Characteristics

- Evaluate the lasting impact of gender roles and class structure on the culture in different world regions

People, Culture, & Civilizations: Historical Societies & Lifestyles

- Explain the influence that ancient civilizations had on modern society (government, contributions, religion/philosophies, trade, tools/weapons, agriculture, migration/settlement)
- Explain the importance of specific people and places within society
- Evaluate how the social structure in ancient civilizations contributed to their success (or lack of)

UNIT: Asia Studies

Geography: Physical Features

- Describe the physical features of different regions on Earth

Geography: Political Features

- Locate geographical areas within regions of the world (countries, capital cities, & major cities)

Economics: Economies of the World

- Explain the impact of trade on a country's economy and relations with other countries
- Compare the economies of different world regions to each other and to the United States using basic economic concepts

World History: Significant Events, Individuals, & Contributions

- Describe important individuals and their accomplishments in various independence movements around the world
- Evaluate the legacy of artistic and civil rights movements and important individuals within these movements on modern society
- Explain the impact of major world religions on history and current events

World History: Current Events in the Context of History

- Apply the 5 Themes of Geography to current events happening throughout the world
- Predict the possible impact of current events throughout the world on the United States

Civics & Government: Citizenship-Awareness, Rights, & Responsibilities

- Compare and contrast rights and responsibilities of citizens in other countries to those in the United States

Civics & Government: Government Systems

- Describe different government systems used in countries around the world

People, Culture, & Civilizations: Human Characteristics

- Evaluate the lasting impact of gender roles and class structure on the culture in different world regions

People, Culture, & Civilizations: Historical Societies & Lifestyles

- Explain the influence that ancient civilizations had on modern society (government, contributions, religion/philosophies, trade, tools/weapons, agriculture, migration/settlement)
- Explain the importance of specific people and places within society
- Evaluate how the social structure in ancient civilizations contributed to their success (or lack of)

UNIT: Africa Studies

Geography: Physical Features

- Describe the physical features of different regions on Earth

Geography: Political Features

- Locate geographical areas within regions of the world (countries, capital cities, & major cities)

Economics: Economies of the World

- Explain the impact of trade on a country's economy and relations with other countries
- Compare the economies of different world regions to each other and to the United States using basic economic concepts

World History: Significant Events, Individuals, & Contributions

- Explain contributions of ancient civilizations and their influence on modern society
- Analyze the impact of trade on the development of African civilizations and the reasons for European colonization of Africa

World History: Current Events in the Context of History

- Apply the 5 Themes of Geography to current events happening throughout the world
- Predict the possible impact of current events throughout the world on the United States

People, Culture, & Civilizations: Historical Societies & Lifestyles

- Explain the influence that ancient civilizations had on modern society (government, contributions, religion/philosophies, trade, tools/weapons, agriculture, migration/settlement)
- Explain the importance of specific people and places within society
- Evaluate how the social structure in ancient civilizations contributed to their success (or lack of)

UNIT: Australia Studies

Geography: Physical Features

- Describe the physical features of different regions on Earth

Geography: Political Features

- Locate geographical areas within regions of the world (countries, capital cities, & major cities)

World History: Significant Events, Individuals, & Contributions

- Explain the impact of individual explorers and conquistadors on the places they colonized

World History: Current Events in the Context of History

- Apply the 5 Themes of Geography to current events happening throughout the world
- Predict the possible impact of current events throughout the world on the United States

Civics & Government: Government Systems

- Describe different government systems used in countries around the world
- Evaluate the pros and cons of large intergovernmental organizations (European Union, Commonwealth of Nations)

NHA Visual Arts Exemplar: Art Expression

The student will develop and expand their knowledge/skills in the visual arts through the use of media, techniques, and processes to express their own ideas creatively in artwork. The student will analyze, assess, judge merit and derive meaning from works of art, including their own, according to the elements of art, the principles of design, and aesthetic qualities.

Grade Seven

NHA Objectives

Measurement Topic: Art Creation

- Create artwork by selecting media, techniques, and processes to produce desired effects (see Appendix)
- Use art materials safely and appropriately; follow procedures to set up and clean up
- Demonstrate quality craftsmanship
- Create illustrations to communicate ideas, personal experiences, and expression
- Use processes to create artwork, including sketches, drafts, and a connected series
- Use subjects, themes, images, and symbols to demonstrate meaning in artwork

Measurement Topic: Elements and Principles of Art and Design

- Use analogous, complementary, and monochromatic color schemes in artwork
- Create contrast using line variations including width, directionality, and implied line
- Create the illusion of movement in 2-D and 3-D artwork
- Use techniques to create depth, including: overlapping, perspective, diminishing size and detail, and object placement on the picture plane
- Produce effects of depth using value, color, and line
- Identify and use all the elements of art and principles of design (focus on form, movement, value, color, and line)

Measurement Topic: Critical Analysis

- Analyze artworks for elements of art and design principles, art techniques, and media and describe using appropriate vocabulary
- Generate questions about artwork; provide opinions, personal responses, and possible answers to questions about artwork
- Interpret meanings derived from the images, symbols, techniques, art elements, or design principles used in artwork
- Evaluate their own artwork and the artwork of others for elements of art, principles of design, expressive qualities, quality of techniques, and aesthetics

NHA Visual Arts Exemplar: Art Expression

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Grade Seven

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Measurement Topic: Art Creation

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NHA Music Exemplar: Music Expression

The student will develop knowledge and a variety of skills in order to perform, create, read, and describe musical pieces through knowledge of basic musical concepts. Students will engage in both group and individual music-related tasks. They will use this knowledge to analyze, assess, judge merit and determine meaning from music, including their own.

Grade Seven

NHA Objectives

Measurement Topic: Music Composition and Performance

- Sing or play a musical piece using a score while following the cues of a conductor
- Apply notation and composition skills (e.g., reorchestrate, revoice, or compose a short piece)
 - Improvise a short piece

Measurement Topic: Music Theory

- Read and notate music using a variety of notes and rests (e.g.; whole, half, dotted half, quarter, dotted quarter, eighth, and sixteenth notes)
- Notate melodies from aural examples
- Describe elements of non-standard notation

Measurement Topic: Analysis of Music

- Use musical terms to describe various musical styles, genres, or time periods
- Compare and contrast two musical pieces from the same style or genre using basic musical terminology

NHA Music Exemplar: Music Awareness

The student will recognize the historical, cultural and social impact of music. They will be able to critically analyze and critique a variety of music from different eras, genres, and sources. Student will be exposed to a variety of music and determine the impact it had both locally and globally.

Grade Seven

NHA Objectives

Measurement Topic: History, Culture, and Society

- Evaluate contemporary uses of music to influence societal changes (e.g.; campaign songs, songs of protest, etc.)
- Identify performing artists that influenced American culture

Measurement Topic: Real World Connections

- Identify career opportunities related to American music

Measurement Topic: Integrated Studies

- Interpret a piece of music using art, poetry, or writing

NHA Physical Education Exemplar: Movement and Concept Development

Grade Seven

NHA Objectives

Measurement Topic: Movement and Movement Patterns

- Demonstrate a movement sequence for a variety of physical activities and games
- Perform complex combinations of movement forms in various sports and rhythmic activities

Measurement Topic: Movement Concepts

- Analyze movement and safety techniques that improve performance in specific sports
- Explain and apply the idea that practice of movement skills improves performance
- Analyze strategies for offense and defense in specific sports

NHA Physical Education Exemplar: Physical Fitness and Wellness

Grade Seven

NHA Objectives

Measurement Topic: Personal Fitness

- Utilize self-assessment of physical fitness to identify strengths and weaknesses to develop a personal fitness plan
- Demonstrate importance all of components of physical fitness to achieve a healthy level of physical fitness

Measurement Topic: Health Concepts for Life

- Analyze essential nutrients for the body (i.e. sources of nutrients, uses of each in the body, symptoms of deficiencies)
- Describe the physiological effects of inadequate and adequate water intake
- Explain the short- and long- term effects of caffeine, alcohol, tobacco, marijuana, pain killers, and performance-enhancing drugs
- Evaluate personal stress and stress management abilities

Measurement Topic: Teamwork and Sportsmanship

- Demonstrate responsibility for being part of a team and strive to make contributions to team success
- Contribute to the development of and adherence to rules that provide of safe and enjoyable participation in group and team experiences in physical activity context