

Waterford Montessori Academy

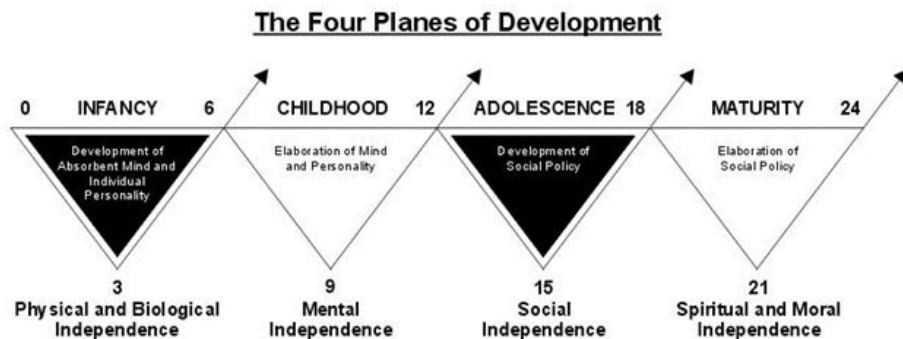
1st Grade Curriculum Guide

These courses in this guide may be offered in school, virtually or blended.

The Second Plane: Ages 6–12 (Childhood) “Conscious Imagination”

According to Maria Montessori, in the second plane of development, children begin to display the ability to reason and use abstract thinking. This period is characterized by a craving for mental or intellectual independence. Your child begins to search for a sense of moral order, in addition to physical order. Children begin to take charge of their learning, based on their interests and desires. Common sensitivities in this plane include:

- Abstraction and imagination
- Morality and justice
- Culture
- Peer/social interactions



EXTRACURRICULAR

Technology

- Demonstrate the proper care of technological systems and components.
- Interpret, analyze, and evaluate information with the assistance of technology.
- Use Google Apps for Education to produce products.
- Show examples of how technology affects and impacts one's current life.
- Use age appropriate vocabulary related to technology.

Art

- Students explore a variety of techniques and media ranging from painting, drawing, printmaking, sculpting and mixed media.
- The art curriculum is designed to expose students to art history, visual arts vocabulary, art criticism, self-expression through artmaking and art-related careers.
- Students experience the art-making process through brainstorming, creating preliminary sketches, exchanging ideas with their peers, using and caring for art materials, producing final projects and evaluating artwork.
- Art exhibitions are mounted in each building throughout the school year.
- The skills and knowledge acquired by elementary art students will lay the foundation for their studies in art at the secondary level and beyond.

Physical Education

- Demonstrate sport-specific skills in individual, and team sports, and recreational games.
- Perform and understand fitness activities that develop and maintain cardiorespiratory endurance, muscular strength, and endurance of large muscle groups, and flexibility of major joints.
- Identify physical activities that can be used to improve health related fitness components and contribute to feeling good.
- Demonstrate on a daily basis, good personal/social character traits at least 75% of the time.

MATHEMATICS

Operations & Algebraic Thinking

- Use addition and subtraction within 20 to solve word problems involving situations with unknowns in all positions.
- Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.
- Apply properties of operations as strategies to add and subtract.
 - Commutative and associative property of addition.
- Understand subtraction as an unknown-addend problem. For ex., subtract $10 - 8$ by finding the number that makes 10 when added to 8.
- Fluently add and subtract within 20 Use strategies such as counting on or making ten.
- Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false.
- Determine the unknown whole number in an addition or subtraction equation relating three whole numbers. For example: $8 + ? = 11$, $5 = _ - 3$, $6 + 6 = _$.

Number & Operations in Base Ten

- Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.
- Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases:
 - 10 can be thought of as a bundle of ten ones — called a "ten."
 - The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones.
 - The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).
- Compare two two-digit numbers using the symbols $>$, $=$, and $<$.
- Add within 100.
- Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.

- Subtract multiples of 10 in the range 10-90.

Measurement and Data

- Can put objects in order based on length
- Can measure with whole numbers in inches
- Can answer questions about data on a bar graph

Time – Using analog and digital clocks

- Tell and write time in hour intervals
- Tell and write time in half-hour intervals

US Money

- Recognizes and names coins and their values

Geometry

- Names and drawn Geometric Figures (Triangles, quadrilaterals, polygons, cubes)
- Distinguishes defining attributes (e.g., triangles are closed and three-sided)
- Analyzes, compares, creates, and composes two dimensional shapes. Creates new shapes combining various two-dimensional shapes.
- Identifies three-dimensional shapes (cubes, right rectangular prisms, etc.)
- Partition circles and rectangles into two and four equal shares

ENGLISH/LANGUAGE ARTS

Writing

- Write opinion pieces in which they introduce the topic or name the book they are writing about, state an opinion, supply a reason for the opinion, and provide some sense of closure.
- Write informative/explanatory texts in which they name a topic, supply some facts about the topic, and provide some sense of closure.
- Write narratives in which they recount two or more appropriately sequenced events, include some details regarding what happened, use temporal words to signal event order, and provide some sense of closure.
- With guidance and support from adults, focus on a topic, respond to questions and suggestions from peers, and add details to strengthen writing as needed.

Phonics and Word Recognition

Know and apply grade-level phonics and word analysis skills in decoding words.

- Know the spelling-sound correspondences for common consonant digraphs.
- Decode regularly spelled one-syllable words.
- Know final -e and common vowel team conventions for representing long vowel sounds.
- Use knowledge that every syllable must have a vowel sound to determine the number of syllables in a printed word.
- Decode two-syllable words following basic patterns by breaking the words into syllables.
- Read words with inflectional endings.
- Recognize and read grade-appropriate irregularly spelled words.

Reading: Literature

- Ask and answer questions about key details in a text.
- Retell stories, including key details, and demonstrate understanding of their central message or lesson.
- Explain major differences between books that tell stories and books that give information, drawing on a wide reading of a range of text types.
- Identify who is telling the story at various points in a text.

Reading: Informational Text

- Ask and answer questions about key details in a text.
- Identify the main topic and retell key details of a text.
- Know and use various text features (e.g., headings, tables of contents, glossaries, electronic menus, icons) to locate key facts or information in a text.
- Distinguish between information provided by pictures or other illustrations and information provided by the words in a text.
- Identify basic similarities in and differences between two texts on the same topic (e.g., in illustrations, descriptions, or procedures).

Language

Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.

- Print many upper- and lowercase letters.
- Use frequently occurring nouns and verbs.
- Form regular plural nouns orally by adding /s/ or /es/ (e.g., dog, dogs; wish, wishes).
- Understand and use question words (interrogatives) (e.g., who, what, where, when, why, how).
- Use the most frequently occurring prepositions (e.g., to, from, in, out, on, off, for, of, by, with).
- Produce and expand complete sentences in shared language activities.

Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

- Capitalize the first word in a sentence and the pronoun I
- Recognize and name end punctuation.
- Write a letter or letters for most consonant and short-vowel sounds (phonemes).
- Spell simple words phonetically, drawing on knowledge of sound-letter relationships.

Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on kindergarten reading and content.

- Identify new meanings for familiar words and apply them accurately (e.g., knowing duck is a bird and learning the verb to duck).
- Use the most frequently occurring inflections and affixes (e.g., -ed, -s, re-, un-, pre-, -ful, -less) as a clue to the meaning of an unknown word.

Use words and phrases acquired through conversations, reading and being read to, and responding to texts.

Fluency

Read with sufficient accuracy and fluency to support comprehension.

- Read grade-level text with purpose and understanding.
- Read grade-level text orally with accuracy, appropriate rate, and expression on successive readings.
- Use context to confirm or self-correct word recognition and understanding, rereading as necessary.

Speaking and Listening

Ask and answer questions about key details in a text read aloud or information presented orally or through other media.

Ask and answer questions about what a speaker says in order to gather additional information or clarify something that is not understood.

SCIENCE

- Scientific Method and Inquiry
- Constructs simple charts & graphs from data & observation

Space Systems: Patterns and Cycles

- The Earth, Solar System, and Sun
- Changes in Weather/Relation to four seasons
- Seasons: Equinoxes/Solstices

Structure and Properties of Matter

- Recognizes and identifies properties of solids, liquids, and gas, depending on temperature
- Recognizes materials attracted by magnets
- Observe like poles of a magnet repel & unlike poles attract

Organization of Living Things

- External Functions of Vertebrates
- Life Cycles in Botany and Zoology
- Characteristics passed on from parents to young
- Needs of Animals

SOCIAL STUDIES

- Recognize the duties of a position of authority/leadership, identify examples of good citizens throughout history, identify the President of the U.S., understand that voting is part of the election process.
- Compare and contrast different types of families, associate a holiday with its celebration/ritual).
- Understand the exchange of money for goods and services, understand consumers, producers, needs and wants, and associate a final product with its original source.
- Identify: American historical figures, major symbols, and the significance of the Pledge of Allegiance,
- Understand calendar time including days, weeks, and months, understand vocabulary related to time).

Physical Geography

- Knowledge of the Continents and Oceans
- Construction of maps

Continent and Cultural Units

Each year, 1st – 5th grade students focus on a study of 2 continents throughout the school year. This includes a study of political and physical maps, identifying countries, cities, capitals, land and water features, using an atlas, and making maps as well as a study of the history and people of the countries. Research and a creation of a presentation for the class is included as well.