

*“The secret of good teaching is to regard the child’s intelligence as a fertile field in which seeds may be sown, to grow under the heat of flaming imagination. Our aim is not only to make the child understand, and still less to force him to memorize, but so to touch his imagination as to enthuse him to his innermost core. We do not want complacent pupils, but eager ones. We seek to sow life in the child rather than theories, to help him in his growth, mental and emotional as well as physical, and for that we must offer grand and lofty ideas to the human mind.”*

*-Dr. Maria Montessori*

With these goals in mind, the sequence of lessons and materials is important, as each concept builds upon itself.

## COSMIC STUDIES

Cosmic Studies lessons and units of exploration are designed to give students a sense of the story of the universe, how life developed, and the story of our history. These lessons and experiences are introduced in the hope that they will inspire in students a sense of wonder and awaken interest, appreciation, and understanding. The Cosmic Studies category is divided into sub-categories that contain lessons sequenced in the order in which they would be introduced for most children in many Montessori classrooms.

<b>Early Childhood Junior Kindergarten and Kindergarten</b>	<b>Elementary I 1st Grade 2nd Grade 3rd Grade</b>	<b>Elementary II 4th Grade 5th Grade 6th Grade</b>	<b>Secondary I 6th Grade 7th Grade 8th Grade</b>
	Laws of The Universe Experiments	Laws of The Universe Experiments	Laws of The Universe Experiments
	First Great Lesson: Creation of The Universe	First Great Lesson: Creation of The Universe	First Great Lesson: Creation of The Universe
	Second Great Lesson: The Coming of Life,	Second Great Lesson: The Coming of Life,	Second Great Lesson: The Coming of Life,
	Third Great Lesson The Coming of Humans ** Starting in 3rd grade**	Third Great Lesson The Coming of Humans	Third Great Lesson The Coming of Humans

<b>Early Childhood Junior Kindergarten and Kindergarten</b>	<b>Elementary I 1st Grade 2nd Grade 3rd Grade</b>	<b>Elementary II 4th Grade 5th Grade 6th Grade</b>	<b>Secondary I 6th Grade 7th Grade 8th Grade</b>
	Fourth Great Lesson: Story of Language ** Starting in 3rd grade**	Fourth Great Lesson: Story of Language	Fourth Great Lesson: Story of Language
	Fifth Great Lesson: Story of Numbers ** Starting in 3rd grade**	Fifth Great Lesson: Story of Numbers	Fifth Great Lesson: Story of Numbers

## GEOGRAPHY

Geography is important both as a necessary conceptual framework and spatial orientation, and as a bridge to the development of the child's understanding and appreciation of the story of humankind and nature. As in other areas of the Montessori curriculum, the children first experience the big picture, then move gradually to the details (ex. names of countries, landscapes, and cultures). The Geography category is divided into sub-categories that contain lessons sequenced in the order in which they would be introduced for most children in many Montessori classrooms.

<b>Early Childhood Junior Kindergarten and Kindergarten</b>	<b>Elementary I 1st Grade 2nd Grade 3rd Grade</b>	<b>Elementary II 4th Grade 5th Grade 6th Grade</b>	<b>Secondary I 6th Grade 7th Grade 8th Grade</b>
Position and Direction	Position and Direction	Mapping: The Continents (Puzzle Maps)	Mapping: The Continents (Puzzle Maps)
The Earth	The Earth	Mapping Skills: Introduction to Map Reading	Mapping Skills: Introduction to Map Reading
Mapping: The World	Mapping: The World	Mapping: The Continents (Pin Maps)	Mapping: The Continents (Pin Maps)
Mapping: The Continents (Puzzle Maps)	Mapping: The Continents (Puzzle Maps)	Cultural Geography	Cultural Geography
Mapping Skills: Introduction to Map Reading	Mapping Skills: Introduction to Map Reading	Traditional American and International Holidays and Celebrations	Traditional American and International Holidays and Celebrations
Cultural Geography	Mapping: The Continents (Pin Maps)	Mapping Skills: Map Reading	Mapping Skills: Map Reading

Early Childhood Junior Kindergarten and Kindergarten	Elementary I 1st Grade 2nd Grade 3rd Grade	Elementary II 4th Grade 5th Grade 6th Grade	Secondary I 6th Grade 7th Grade 8th Grade
Traditional American and International Holidays and Celebrations	Cultural Geography	Mapping Skills: Interpreting Symbols, Distance, and Directions	Mapping Skills: Interpreting Symbols, Distance, and Directions
Mapping Skills: Map Reading	Traditional American and International Holidays and Celebrations	Mapping Skills: Geographical Features, Latitude and Longitude	Mapping Skills: Geographical Features, Latitude and Longitude
Mapping Skills: Directions and the Town Game	Mapping Skills: Map Reading	Mapping Skills: Using an Atlas	Mapping Skills: Using an Atlas
Climates and Environments	Mapping Skills: Directions and the Town Game	Mapping Skills: Map Making	Mapping Skills: Map Making
Regions of the Country in Which We Live	Mapping Skills: Interpreting Symbols, Distance, and Directions	Geographical Features of the World	Geographical Features of the World
	Mapping Skills: Geographical Features, Latitude and Longitude	Climates and Environments	Climates and Environments
	Mapping Skills: Using an Atlas	World Capitals and Famous Buildings of the World	World Capitals and Famous Buildings of the World
	Mapping Skills: Map Making	Regions of the Country in Which We Live	Regions of the Country in Which We Live
	Geographical Features of the World	Imaginary Island Study	Imaginary Island Study
	Climates and Environments	Impressionistic Charts	Impressionistic Charts
	Regions of the Country in Which We Live		
	Impressionistic Charts		
	World Capitals and Famous Buildings of the World		
	Imaginary Island Study		

## HISTORY

The History Scope and Sequence provides students with opportunities to explore a variety of concepts including how the world began, the story of life on Earth, and the development of civilizations. The History category is divided into sub-categories that contain lessons sequenced in the order in which they would be introduced for most children in many Montessori classrooms.

<b>Early Childhood Junior Kindergarten and Kindergarten</b>	<b>Elementary I 1st Grade 2nd Grade 3rd Grade</b>	<b>Elementary II 4th Grade 5th Grade 6th Grade</b>	<b>Secondary I 6th Grade 7th Grade 8th Grade</b>
Vocabulary of Time	Vocabulary of Time	Expand All Collapse All	
Exploring Concepts of Time	Exploring Concepts of Time	Exploring Concepts of Time	
Understanding the Past	Understanding the Past	Telling Time on a Clock	
Telling Time on a Clock	Telling Time on a Clock	Time Zones and Calendars	
Time Zones and Calendars	Time Zones and Calendars	Personal and Family Time Lines Early Humans	
Personal and Family Time Lines	Personal and Family Time Lines	Researching Historical Civilizations	
	Early Humans	Studying Ancient Civilizations	
	Researching Historical Civilizations	Middle Ages and The Renaissance	
	Studying Ancient Civilizations ** 3rd Grade**	American Studies: Early America	
	Middle Ages and The Renaissance ** 3rd Grade**	American Studies: Revolution and War	
	American Studies: Early America ** 3rd Grade**	American Studies: People and Government	
	American Studies: Revolution and War ** 3rd Grade**		
	American Studies: People and Government ** 3rd Grade**		

## LANGUAGE ARTS

The Language Arts lessons increase student's ability to communicate through reading and writing. Using the 3 modalities of visual, experimental and auditory, Montessori utilizes the curriculum to increase skills and student ability.

The overall Language Arts category is broken down into sub-categories. Each sub-category contains many lessons pertaining to that general area of study. The sub-categories and the lessons within the sub-categories are listed in the order that they would be introduced for most children in many Montessori classrooms. This will be particularly helpful for guides of Primary classrooms (where children learn to write and encode before they learn how to read) and in Elementary classrooms (where order is important in the continued focus on grammar, vocabulary development and writing mechanics.)

<b>Early Childhood Junior Kindergarten and Kindergarten</b>	<b>Elementary I 1st Grade 2nd Grade 3rd Grade</b>	<b>Elementary II 4th Grade 5th Grade 6th Grade</b>	<b>Secondary I 6th Grade 7th Grade 8th Grade</b>
Oral Language Development	Auditory Discrimination and Phonemic Awareness	Speaking and Listening	Speaking and Listening
Auditory Discrimination and Phonemic Awareness	Visual Discrimination	Grammar: Parts of Speech	Grammar: Parts of Speech
Visual Discrimination	Concept Development	Handwriting	Handwriting
Concept Development	Speaking and Listening	Writing Mechanics: Capitalization and Punctuation	Writing Mechanics: Capitalization and Punctuation
Speaking and Listening	Letter Sounds	Grammar: Sentence Elements and Analysis	Grammar: Sentence Elements and Analysis
Letter Sounds	Beginning Handwriting	Word Study / Spelling	Word Study / Spelling
Beginning Handwriting	Beginning Reading: Short Vowels	Writing Mechanics: Sentence And Paragraph Structure	Writing Mechanics: Sentence And Paragraph Structure
Beginning Reading: Short Vowels	Beginning Reading: Consonant Blends and Digraphs	Writing Process	Writing Process
Beginning Reading: Consonant Blends and Digraphs	Beginning Reading: Long Vowels and Phonograms	Introduction to Forms of Writing	Forms of Writing
Beginning Reading: Long Vowels and Phonograms	Building Vocabulary	Descriptive Writing	Descriptive Writing

<b>Early Childhood Junior Kindergarten and Kindergarten</b>	<b>Elementary I 1st Grade 2nd Grade 3rd Grade</b>	<b>Elementary II 4th Grade 5th Grade 6th Grade</b>	<b>Secondary I 6th Grade 7th Grade 8th Grade</b>
Building Vocabulary	Grammar: Parts of Speech (Miniature Environment Activities/ The Farm)	Narrative Writing	Narrative Writing
Grammar: Parts of Speech (Miniature Environment Activities/ The Farm)	Grammar: Parts of Speech	Expository Writing	Expository Writing
Building Phrases and Connected Text	Building Phrases and Connected Text	Persuasive Writing	Persuasive Writing
Handwriting	Handwriting	Creative Writing	Creative Writing
Writing Mechanics: Capitalization and Punctuation	Writing Mechanics: Capitalization and Punctuation	Research Skills	Research Skills
Word Study / Spelling	Grammar: Sentence Elements and Analysis	Reading and Understanding Literature: Elements and Skills	Reading and Understanding Literature: Elements and Skills
Picture Story Writing (Journals)	Word Study / Spelling	Reading and Understanding Literature: Applications	Reading and Understanding Literature: Applications
Writing Process	Picture Story Writing (Journals)	Reading and Understanding Informational Texts: Elements and Skills	Reading and Understanding Informational Texts: Elements and Skills
Descriptive Writing	Writing Mechanics: Sentence And Paragraph Structure	Reading and Understanding Informational Texts: Applications	Reading and Understanding Informational Texts: Applications
Narrative Writing	Writing Process	Recording Levels for Reading and Vocabulary Skills	Recording Levels for Reading and Vocabulary Skills
Expository Writing	Introduction to Forms of Writing	Appreciation of Music and Art and Formal Debate	Appreciation of Music and Art and Formal Debate
Persuasive Writing	Descriptive Writing		
Creative Writing	Narrative Writing		
Research Skills	Expository Writing		

<b>Early Childhood Junior Kindergarten and Kindergarten</b>	<b>Elementary I 1st Grade 2nd Grade 3rd Grade</b>	<b>Elementary II 4th Grade 5th Grade 6th Grade</b>	<b>Secondary I 6th Grade 7th Grade 8th Grade</b>
Reading and Understanding Literature: Elements and Skills	Persuasive Writing		
Reading and Understanding Literature: Applications	Creative Writing		
Reading and Understanding Informational Texts: Elements and Skills	Research Skills		
Reading and Understanding Informational Texts: Applications	Reading and Understanding Literature: Elements and Skills		
Recording Levels for Reading and Vocabulary Skills	Reading and Understanding Literature: Applications		
	Reading and Understanding Informational Texts: Elements and Skills		
	Reading and Understanding Informational Texts: Applications		
	Recording Levels for Reading and Vocabulary Skills		
	Appreciation of Music and Art and Formal Debate ** 3rd Grade**		

## MATHEMATICS

Students are introduced to math concepts with hands-on, manipulative materials. Counting, operations, and memorization are developed through exposure and repetition to help develop the mathematical mind. Students participate in individual, one-on-one, small group, and large group activities.

Students who learn mathematics by rote memorization often have no real understanding or ability to put their skills to use in everyday life. Learning comes more easily when students work with concrete educational materials that graphically show what is taking place in a given mathematical process. The concrete Montessori Mathematics materials are among the best known and most imitated elements of Dr. Montessori's work. These elegant and simply lovely materials hold a fascination for children and adults alike. They proceed through several levels of abstraction, beginning with concepts and skills that are the most basic foundations of mathematics, presented in the most concrete representation, up through the advanced concepts of secondary mathematics, which are represented in increasing levels of abstraction, until the student grasps them conceptually. All of the content for Mathematics is divided into sub-categories that reflect these increasing levels of abstraction. The lessons within each sub-category are listed in order in which they would be introduced for most children in many Montessori classrooms.

<b>Early Childhood Junior Kindergarten and Kindergarten</b>	<b>Elementary I 1st Grade 2nd Grade 3rd Grade</b>	<b>Elementary II 4th Grade 5th Grade 6th Grade</b>	<b>Secondary I 6th Grade 7th Grade 8th Grade</b>
Concept Development	Decimal System: 1 to 9,999	Memorization of Math Facts: Multiplication	Memorization of Math Facts: Division
Decimal System: 0 to 10	Linear Counting: 0 to 100	Passage to Abstraction: Multiplication by One-Digit Multipliers	Creative Problem Solving Methods
Decimal System: 1, 10, 100 and 1,000	Patterns, Number Rolls, and Skip Counting	Passage to Abstraction: Multiplication by Two and Three-Digit Multipliers	Time and Money
Decimal System: 1 to 9,999	Comparing, Rounding and Estimating Values	Operations: Division (2- and 3-Digit Divisors)	Measurement
Linear Counting: 0 to 100	Place Value, Large Numbers and Expanded Notation	Memorization of Math Facts: Division	Multiples, Factors and Prime Numbers
Patterns, Number Rolls, and Skip Counting	Operations: Static Addition	Passage to Abstraction: Division (1-, 2-, and 3-Digit Divisors)	Understanding Divisibility
Comparing, Rounding and Estimating Values	Operations: Dynamic Addition	Creative Problem Solving Methods	Passage to Abstraction: Fractions



<b>Early Childhood Junior Kindergarten and Kindergarten</b>	<b>Elementary I 1st Grade 2nd Grade 3rd Grade</b>	<b>Elementary II 4th Grade 5th Grade 6th Grade</b>	<b>Secondary I 6th Grade 7th Grade 8th Grade</b>
Operations: Static Addition	Memorization of Math Facts: Addition	Time and Money	Fraction Operations: Multiplication and Division
Operations: Dynamic Addition	Passage to Abstraction: Addition	Measurement	Fraction Operations: Mixed Number and Improper Fractions
Memorization of Math Facts: Addition	Operations: Static Subtraction	Exponents as Powers	Passage to Abstraction: Fraction Operations
Operations: Static Subtraction	Operations: Dynamic Subtraction	Multiples, Factors, and Prime Numbers	Decimal Fractions Concepts
Operations: Dynamic Subtraction	Memorization of Math Facts: Subtraction	Understanding Divisibility	Decimal Fraction Operations
Memorization of Math Facts: Subtraction	Passage to Abstraction: Subtraction	Understanding Fractions	Passage to Abstraction: Decimal Fraction Operations
Passage to Abstraction: Subtraction ** Kinder	Operations: Multiplication (1- and 2-Digit Multipliers)	Passage to Abstraction: Fractions	Ratios, Proportions and Percentages
Operations: Multiplication (1- and 2-Digit Multipliers)	Memorization of Math Facts: Multiplication	Fraction Operations: Same Denominators	Data, Statistics and Probability
Memorization of Math Facts: Multiplication ** Kinder	Operations: Multiplication (1- and 2-Digit Multipliers)	Fraction Operations: Different Denominators	Negative Numbers
Operations: Multiplication (1- and 2-Digit Multipliers) ** Kinder	Memorization of Math Facts: Multiplication	Fraction Operations: Multiplication and Division	Irrational Numbers
Memorization of Math Facts: Multiplication ** Kinder	Passage to Abstraction: Multiplication by One-Digit Multipliers	Fraction Operations: Mixed Number and Improper Fractions	Numeric and Algebraic Equations
Passage to Abstraction: Multiplication by One-Digit Multipliers ** Kinder	Preparation for Larger Multiplication	Passage to Abstraction: Fraction Operations	Inequalities
Operations: Division (1-Digit Divisors) ** Kinder	Operations: Division (1-Digit Divisors)	Decimal Fractions Concepts	Squares of Numbers and Polynomials
Memorization of Math Facts: Division ** Kinder	Memorization of Math Facts: Division	Decimal Fraction Operations	Cubes of Numbers and Polynomials
Passage to Abstraction: Division (1-, 2-, and 3-Digit Divisors)** Kinder	Passage to Abstraction: Division (1-, 2-, and 3-Digit Divisors)	Passage to Abstraction: Decimal Fraction Operations	Square Roots of Numbers and Polynomials

Early Childhood Junior Kindergarten and Kindergarten	Elementary I 1st Grade 2nd Grade 3rd Grade	Elementary II 4th Grade 5th Grade 6th Grade	Secondary I 6th Grade 7th Grade 8th Grade
Time and Money	Creative Problem Solving Methods	Data, Statistics, and Probability	Cube Roots of Numbers and Polynomials
Measurement	Time and Money	Negative Numbers	Exponents and Scientific Notation
Understanding Fractions	Measurement	Inequalities	Different Bases
Fraction Operations: Same Denominators	Exponents as Powers	Squares of Numbers and Polynomials	Roman Numerals
Data, Statistics, and Probability** Kinder	Multiples, Factors, and Prime Numbers	Cubes of Numbers and Polynomials	Geometry: Lines and Angles
Inequalities ** Kinder	Understanding Divisibility	Square Roots of Numbers and Polynomials	Geometry: Polygons
Geometry: Exploration of Shapes	Understanding Fractions	Exponents and Scientific Notation	Geometry: Congruence, Similarity and Equivalence
Geometry: Lines and Angles	Passage to Abstraction: Fractions	Different Bases	Geometry: Perimeter and Area
Geometry: Polygons	Fraction Operations: Same Denominators	Roman Numerals	Geometry: Measuring Angles of Polygons
Geometry: Perimeter and Area	Fraction Operations: Different Denominators	Geometry: Exploration of Shapes	Geometry: Solid Figures
Geometry: Solid Figures	Data, Statistics, and Probability	Geometry: Lines and Angles	Geometry: The Coordinate Plane
	Negative Numbers	Geometry: Polygons	Geometry: Similarity and Equivalence
	Inequalities	Geometry: Congruence, Similarity, and Equivalence	
	Squares of Numbers and Polynomials	Geometry: Perimeter and Area	
	Cubes of Numbers and Polynomials	Geometry: Measuring Angles of Polygons	
	Roman Numerals	Geometry: Solid Figures	
	Geometry: Exploration of Shapes	Geometry: The Coordinate Plane	
	Geometry: Lines and Angles	Geometry: Similarity and Equivalence	
	Geometry: Polygons		

<b>Early Childhood Junior Kindergarten and Kindergarten</b>	<b>Elementary I 1st Grade 2nd Grade 3rd Grade</b>	<b>Elementary II 4th Grade 5th Grade 6th Grade</b>	<b>Secondary I 6th Grade 7th Grade 8th Grade</b>
	Geometry: Congruence, Similarity, and Equivalence		
	Geometry: Perimeter and Area		
	Geometry: Measuring Angles of Polygons		
	Geometry: Solid Figures		
	Geometry: The Coordinate Plane		
	Geometry: Similarity and Equivalence		

## PRACTICAL LIFE

Competence, independence, willingness to embrace the challenges of change are, quite possibly, the most important building blocks of the Montessori Method. We provide opportunities to help our children learn these vital skills at the most basic level: Practical Life. Beginning with lessons on using a mat or rug intended for the youngest child and extending all the way to learning how to run a small business.

The Practical Life Scope and Sequence provides students with many opportunities to feel independence and competence, and develop their fine and gross motor skills, as they engage in real world activities such as washing tables, folding clothes, and preparing food. With these goals in mind, the sequence of lessons and materials is important. The Practical Life category is divided into sub-categories that contain lessons sequenced in the order in which they would be introduced for most children in many Montessori classrooms.

<b>Early Childhood Junior Kindergarten and Kindergarten</b>	<b>Elementary I 1st Grade 2nd Grade 3rd Grade</b>	<b>Elementary II 4th Grade 5th Grade 6th Grade</b>	<b>Secondary I 6th Grade 7th Grade 8th Grade</b>
Basic Classroom Skills	Care of Person: First Aid/ Safety	Care of Person: Health and Wellness	Care of Person: Health and Wellness
Care of Environment: Basic Skills	Care of Person: Health and Wellness	Grace and Courtesy: General Language and Actions	Grace and Courtesy: General Language and Actions
Care of Environment: Indoors/Outdoors	Grace and Courtesy: General Language and Actions	Grace and Courtesy: Group Etiquette	Grace and Courtesy: Group Etiquette
Control of Movement: Basic Skills	Grace and Courtesy: Altruism, Kindness, Consideration	Grace and Courtesy: Intrapersonal Skills	Grace and Courtesy: Intrapersonal Skills
Control of Movement: Fine Motor Skills	Grace and Courtesy: Group Etiquette	Grace and Courtesy: Interpersonal Skills	Grace and Courtesy: Interpersonal Skills
Control of Movement: Gross Motor Skills	Grace and Courtesy: Intrapersonal Skills	Meals and Food Preparation	Meals and Food Preparation
Care of Person: Basic Skills	Grace and Courtesy: Interpersonal Skills	Classroom Skills	Classroom Skills
Care of Person: Dressing/Grooming	Meals and Food Preparation	Personal Responsibility: General Safety and Security	Personal Responsibility: General Safety and Security
Care of Person: First Aid/ Safety	Classroom Skills	Personal Responsibility: Care of Possessions	Personal Responsibility: Care of Possessions
Care of Person: Health and Wellness	Personal Responsibility: General Safety and Security	Personal Responsibility: Organizational Skills	Personal Responsibility: Organizational Skills

<b>Early Childhood Junior Kindergarten and Kindergarten</b>	<b>Elementary I 1st Grade 2nd Grade 3rd Grade</b>	<b>Elementary II 4th Grade 5th Grade 6th Grade</b>	<b>Secondary I 6th Grade 7th Grade 8th Grade</b>
Grace and Courtesy: General Language and Actions	Personal Responsibility: Care of Possessions	Going Out: Class or Small Group Trips	Going Out: Class or Small Group Trips
Grace and Courtesy: Altruism, Kindness, Consideration	Personal Responsibility: Organizational Skills	How to Run a Small Business	How to Run a Small Business
Grace and Courtesy: Group Etiquette	Going Out: Class or Small Group Trips		
Grace and Courtesy: Intrapersonal Skills	How to Run a Small Business		
Grace and Courtesy: Interpersonal Skills			
Meals and Food Preparation			
Classroom Skills			
Personal Responsibility: General Safety and Security			
Personal Responsibility: Care of Possessions			

## SCIENCE

Science in Montessori is known for introducing children to advanced topics in the early years, preparing them for a lifetime of discovery. Topics range from how the world began to the basic principles of astronomy, botany, chemistry, physics, and zoology. At the same time, the Montessori materials and lessons are meant to encourage a sense of wonder at the grandeur of the universe, the simple beauty of the physical laws, and the miracle of life. Beginning with lessons in sorting objects intended for the youngest child, and extending all the way to engaging in debates about climate change.

Middle school science incorporates Life Science (Biology), Earth Science (Geology), and Physical Science (Chemistry/Physics). Emphasis is given on basic concepts, facts, how new technology is discovered and validated, the process of science and the influence of science on society. Scientific literacy is promoted by providing students with opportunities to acquire and utilize critical thinking skills and knowledge of science and technology.

The Science Scope and Sequence provides students with many opportunities to focus on the process and issues of science: the study of life, the laws and structure of the universe, and the work of scientists. Students learn to ask questions, follow a systematic process of observation, collect and analyze data, and conduct controlled experiments. With these goals in mind, the sequence of the use of lessons and materials is important. All of the content for Science is divided into sub-categories and these sub-categories and the lessons within them are listed in the order in which they would be introduced for most children in many Montessori classrooms.

<b>Early Childhood Junior Kindergarten and Kindergarten</b>	<b>Elementary I 1st Grade 2nd Grade 3rd Grade</b>	<b>Elementary II 4th Grade 5th Grade 6th Grade</b>	<b>Secondary I 6th Grade 7th Grade 8th Grade</b>
Introduction to Physical Properties of Substances	Introduction to Physical Properties of Substances	Being a Scientist: Measuring and Instruments	Earth's Changing Climate
Physical Properties of Substances	Physical Properties of Substances	Being a Scientist: Observing and Recording	Earth's Changing Climate Engineering Internship
Introduction and Exploration of Physical Principles	Introduction and Exploration of Physical Principles	Being a Scientist: Conducting Investigations	Metabolism Engineering Internship
Being a Scientist: Measuring and Instruments	Being a Scientist: Measuring and Instruments	Introduction to Chemistry	Microbiome
Being a Scientist: Observing and Recording	Being a Scientist: Observing and Recording	Chemistry: Atoms, Elements, and Compounds	Ocean, Atmosphere, and Climates
Being a Scientist: Conducting Investigations	Being a Scientist: Conducting Investigations	Chemistry: Chemical Reactions	Thermal Energy

Early Childhood Junior Kindergarten and Kindergarten	Elementary I 1st Grade 2nd Grade 3rd Grade	Elementary II 4th Grade 5th Grade 6th Grade	Secondary I 6th Grade 7th Grade 8th Grade
Being a Scientist: Applying Knowledge	Being a Scientist: Applying Knowledge	Chemistry: Liquids, Gases, Solids	Traits and Reproduction
Exploring Nature	Exploring Nature	Energy	Weather Patterns
Classifications of Plants and Animals	Classifications of Plants and Animals	Technology	Chemical Reactions
Introduction to Botany and Zoology	Introduction to Botany and Zoology	Astronomy	Geology on Mars
Energy	Introduction to Chemistry	Earth Science	Matter and Energy Ecosystems
Botany	Chemistry: Atoms, Elements, and Compounds	Zoology	Phase Change
	Chemistry: Chemical Reactions	Botany	Phase Change Engineering Internship
	Chemistry: Liquids, Gases, Solids	Botany Impressionistic Charts	Plate Motion
	Energy	Food Science	Plate Motion Engineering Internship
	Technology	Ecology	Populations and Resources
	Astronomy	Famous Scientists and Their Discoveries	Rock Transformations
	Earth Science		Earth, Moon, and Sun
	Zoology		Evolutionary History
	Botany		Forces and Motion
	Botany Impressionistic Charts		Force and Motion Engineering Internship
	Food Science		Harnessing Human Energy
	Ecology		Light Waves
			Magnetic Fields
			Natural Selection
			Natural Selection Engineering Internshi

## SENSORIAL

The Sensorial Scope and Sequence is designed to help children focus their attention more carefully on the physical world, exploring with each of their senses the subtle variations in the properties of objects. Through experiences with sensorial lessons and materials, children refine the use of their senses. These experiences help children to pay attention, to focus their awareness, and to learn how to observe and consider what comes into their experience. With these goals in mind, the sequence of lessons and materials is important. All of the content for Sensorial is divided into sub-categories that contain lessons sequenced in the order in which they would be introduced for most children in many Montessori classrooms.

<b>Early Childhood</b> <b>Junior Kindergarten and</b> <b>Kindergarten</b>	<b>Elementary I</b> <b>1st Grade</b> <b>2nd Grade</b> <b>3rd Grade</b>	<b>Elementary II</b> <b>4th Grade</b> <b>5th Grade</b> <b>6th Grade</b>	<b>Secondary I</b> <b>6th Grade</b> <b>7th Grade</b> <b>8th Grade</b>
Visual Discrimination (Size and Dimension)	Visual Discrimination (Size and Dimension)		
Visual Discrimination (Color and Form)	Visual Discrimination (Color and Form)		
Stereognostic Discrimination	Stereognostic Discrimination		
Tactile Discrimination	Tactile Discrimination		
Olfactory and Gustatory Discrimination	Olfactory and Gustatory Discrimination		
Auditory Discrimination	Auditory Discrimination		