

July 2017

## Parent Orientation Videos



### **Infant-Toddler**

Preparation for Life: Infant-Toddler Communities 14 minutes  
Following Your Child:  
A Montessori Philosophy of Parenting (Ages 0-7) 25 minutes

### **Early Childhood**

Nurturing the Love of Learning:  
Montessori for the Early Childhood Years 12:30 minutes

Practical Life Curriculum 7:18 minutes  
Sensorial Curriculum 7:28 minutes  
Language Curriculum 6:53 minutes  
Math Curriculum 6:25 minutes  
The Cultural Curriculum 5:44 minutes

Control of Error 3:54 minutes  
Choosing a Montessori School 4:44 minutes  
The Kindergarten Year 2:56 minutes

Introduction to Montessori Philosophy and Materials 28:30 minutes  
An Introduction to the Montessori Math Curriculum 18 minutes

### **Elementary**

Imagine a School: Montessori for Elementary Age Children 14:43 minutes

### **Middle School**

Montessori Middle School for the 21<sup>st</sup> Century 15:05 minutes

### **Peace Curriculum**

Educating for Peace: The Essence of Montessori 21 minutes

# Infant-Toddler Assistant Training



## **Infant Toddler**

- 01 Introduction 3:24 minutes
- 02 The Prepared Environment 3:21 minutes
- 03 The Classroom Role 4:15 minutes
- 04 Separation 1:51 minutes
- 05 The Need for Movement (Sensitive Period) 2:39 minutes
- 06 The Need for Order (Sensitive Period) 2:40 minutes
- 07 Language (Sensitive Period) 2:28 minutes
- 08 Final Tips 1:38 minutes
- 09 Conclusion 1:29 minutes

## **Ginny Varga on the Sensitive Periods**

- 01 Movement 6:24 minutes
- 02 Order 3:02 minutes
- 03 Language 7:03 minutes

# Early Childhood Assistant Training



## High Performance Montessori Assistant Training

Introduction to Montessori Philosophy and Materials 28:30

01 Introduction 1:03 minutes

02 Classroom Environment 2:10 minutes

03 Classroom Role 3:48 minutes

04 Daily Routine 3:43 minutes

05 Responsibility and Respect 6:29 minutes

06 Maintaining Personal Balance 7:19 minutes

# Elementary Assistant Training



## **Montessori Elementary Assistant: A Model Program**

- 01 Introduction 2:04 minutes
- 02 Respect in the Montessori Community 5:47 minutes
- 03 Discipline 4:57 minutes
- 04 Role in the Classroom 4:18 minutes
- 05 Confidentiality and Safety Procedures 3:34 minutes
- 06 Montessori Curriculum and Community 3:55 minutes
- 07 Communication and Adult Consistency 2:11 minutes
- 08 Personal Issues 1:15 minutes
- 09 Conclusion 2:01 minutes

# Early Childhood Demonstrations



## Practical Life

- 01 Overview 2:39 minutes
- 02 Button Frame 1:50 minutes
- 03 Tie Frames 4:31 minutes
- 04 Dusting 1:18 minutes
- 05 Spooning 0:52 minutes
- 06 Pouring 2:13 minutes
- 07 Water Pouring 1:56 minutes
- 08 Table Washing 6:17 minutes
- 09 Folding 2:28 minutes
- 10 Silver Polishing 2:33 minutes
- 11 Food Preparation 4:00 minutes
- 12 Orange Squeezing 2:44 minutes
- 13 Hand Washing 5:40 minutes
- 14 Flower Arranging 3:41 minutes
- 15 Sewing 2:08 minutes
- 16 Rug Rolling 0:58 minutes
- 17 Control of Movement 0:42 minutes
- 18 Silence Game 0:21 minutes
- 19 Paper Cutting 1:22 minutes
- 20 Grace and Courtesy 0:43 minutes

# Early Childhood Demonstrations



## Sensorial

- 01 Overview 1:35 minutes
- 02 Knobbed Cylinders 2:47 minutes
- 03 Pink Tower 1:47 minutes
- 04 Brown Stair 1:35 minutes
- 05 Red Rods 3:10 minutes
- 06 Color Boxes 3:47 minutes
- 07 Knobless Cylinders 3:05 minutes
- 08 Geometric Tracing 1:31 minutes
- 09 Geometric Cards 1:41 minutes
- 10 Botany Cabinet 2:03 minutes
- 11 Constructive Triangles 4:00 minutes
- 12 Superimposed Geometric Shapes 2:45 minutes
- 13 Binomial Cube 2:30 minutes
- 14 Knobless Cylinders 3:05 minutes
- 15 Geometric Cabinet – Tracing 1:31 minutes
- 16 Geometric Cabinet – Geometric Cards 1:42 minutes
- 17 Botany Cabinet 2:02 minutes
- 18 Triangle Boxes 3:59 minutes
- 19 Superimposed Geometric Shapes 2:45 minutes
- 20 Binomial Cube 2:30 minutes
- 21 Trinomial Cube 5:16 minutes

- 22 Decanomial Overview
- 23 Decanomial Demonstration 2:41 minutes
- 24 Sound Cylinders 3:38 minutes
- 25 Bells 5:06 minutes
- 26 Touch Tablets 2:04 minutes
- 27 Fabrics 2:01 minutes
- 28 Tasting 2:33 minutes
- 29 Smelling 1:11 minutes
- 30 Baric Tablets 1:54 minutes
- 31 Sorting 0:46 minutes
- 32 Mystery Bag 0:55 minutes
- 33 Thermic Tablets 0:39 minutes

# Early Childhood Demonstrations



## Language

- 01 Introduction 1:00 minutes
- 02 Overview 1:27 minutes
- 03 Language Cards 1:53 minutes
- 04 Sound Game 0:57 minutes
- 05 Sandpaper Letters 1:05 minutes
- 06 Sand Tray 0:35 minutes
- 07 Moveable Alphabet 1:07 minutes
- 08 Metal Insets 1:19 minutes
- 09 Unlined Chalkboard 0:35 minutes
- 10 Lined Chalkboard 0:34 minutes
- 11 Phonetic Object Game 2:07 minutes
- 12 Phonetic Reading Cards 0:40 minutes
- 13 Phonograms 1:18 minutes
- 14 Phonetic Object Box 1:03 minutes
- 15 Reading Classification 1:33 minutes
- 16 The Farm 2:39 minutes
- 17 Conjunctions 2:02 minutes
- 18 Detective Adjective Game 1:16 minutes
- 19 Verb Symbol 0:39 minutes
- 20 Logical Adverb Game 1:07 minutes



21 Sentence Structure 0:49 minutes

# Early Childhood Demonstrations



## Math

- 01 Introduction 1:00 minutes
- 02 Overview 1:28 minutes
- 03 Three Period Lesson 1:17 minutes
- 04 Red and Blue Rods: Naming the Rods 1:19 minutes
- 05 Red and Blue Rods: Building Tens Sensorially 5:35 minutes
- 06 Red and Blue Rods: Retrieving Rods from a Distance 3:54 minutes
- 07 Red and Blue Rods: Comparing Rods from a Distance 3:25 minutes
- 08 Red and Blue Rods: Simple Operations 3:25 minutes
- 09 Sandpaper Numbers 0:44 minutes
- 10 Sandpaper Numbers 3:19 minutes
- 11 Number Rods and Cards 0:35 minutes
- 12 Spindle Boxes: Corresponding Compartments 5:01 minutes
- 13 Spindle Boxes: Games, Variations and Extensions 1:11 minutes
- 14 Numbers and Counters 2:41 minutes
- 15 Counters and Numerals: Introduction to Odd and Even 2:20 minutes
- 16 Memory Game: Retrieving by Visual Memory 2:35 minutes
- 17 Memory Game: Retrieving by Auditory Memory 2:17 seconds
- 18 Golden Bead Decimal System 0:57 minutes
- 19 Decimal System Numerals 4:47 minutes
- 20 Decimal System: Association of Quantity and Numerals 5:20 minutes

- 21 The Ten Tray: Quantity Equivalencies 5:11 minutes
- 22 Golden Beads: Five Quantity Layout 4:47 minutes
- 23 Golden Beads: Retrieving Quantities Verbally 1:31 minutes
- 24 Decimal System Number Cards Numerals Layout 1:00 minutes
- 25 Decimal System: Retrieving the Numerals Verbally 1:18 minutes
- 26 Golden Beads and Num. Cards: Assoc. of Quantity and Layout 2:07 minutes
- 27 Golden Beads: Composition of Quantity and Symbol 3:18 minutes
- 28 The Teen Board 0:50 minutes
- 29 Ten Board: Using Only the Ten Beads 1:16 minutes
- 30 Ten Boards and Ten Beads Box: Tens and Ones 10-99 0:48 minutes
- 31 Hundred Board: Filling the Grid with Tiles Presorted by Row 3:29 minutes
- 32 Hundred Board: Variations and Extensions 1:49 minutes
- 33 4 Square Chain: Linear Counting 0:43 minutes
- 34 Cube Chain Sensorial Exploration 0:35 minutes
- 35 Addition Snake Game: Adding Beyond Ten 1:15 minutes
- 36 Addition Strip Board: Ordered Addition with Tables 4:51 minutes
- 37 Addition Strip Board: Mixed Up Addition 2:41 minutes
- 38 Addition Strip Board: Making Combinations of Ten 3:40 minutes
- 39 Addition Strip Board: Matching Equations 3:02 minutes
- 40 Addition Finger Charts 0:52 minutes
- 41 Subtraction Snake Game: Subtracting Groups of Ten 1:09 minutes
- 42 Subtraction Strip Board 0:56 minutes
- 43 Multiplication Board 1:00 minutes

- 44 Multiplication Finger Chart 0:23 minutes
- 45 Unit Division Board 0:53 minutes
- 46 Division Finger Chart 0:24 minutes
- 47 Golden Beads Dynamic Addition 4:14 minutes
- 48 Golden Beads Dynamic Subtraction 1:14 minutes
- 49 Golden Beads Long Division 1:02 minutes
- 50 Stamp Game: Static Addition 0:53 minutes
- 51 Small Bead Frame: Introduction and Counting 2:05 minutes
- 52 Small Bead Frame: Number Formation 3:13 minutes
- 53 Small Bead Frame: Static Subtraction 4:33 minutes
- 54 Small Bead Frame Dynamic Addition 0:45 minutes
- 55 Small Bead Frame: Moving to Abstraction 1:43 minutes
- 56 Small Bead Frame: Abstract Addition 3:11 minutes
- 57 Small Bead Frame: Static Subtraction 5:00 minutes
- 58 Small Bead Frame: Dynamic Subtraction 3:35 minutes
- 59 Small Bead Frame: Abstract Subtraction 1:38 minutes
- 60 Large Bead Frame: Static Multiplication 1:59 minutes
- 61 Large Bead Frame: Dynamic Multiplication 4:24 minutes
- 62 Large Bead Frame: Multiplication Leading to Abstraction 2:24 minutes
- 63 The Dot Game: Static Addition 2:21 minutes
- 64 The Dot Game: Dynamic Addition
- 65 The Dot Game: Horizontal Addition with Multiple Addends 5:06 minutes
- 66 The Dot Game: Vertical Addition with Multiple Addends 4:37 minutes

- 67 Large Fraction Skittles: Sensorial Introduction 3:52 minutes
- 68 Large Fraction Skittles: Nomenclature 3:23 minutes
- 69 Fraction Circles: Sensorial Exploration 1:48 minutes
- 70 Fraction Circles: Writing Fractions 4:11 minutes
- 71 Fraction Circles: Labeling Fractions 1:19 minutes
- 72 Fraction Circles: Equivalence 6:43 minutes
- 73 Clock with Moveable Hands: Introduction to Time 3:46 minutes

# Early Childhood Demonstrations



## Cultural

- 01 Introduction to the Cultural Curriculum 2:37 minutes
- 02 Land/Air/Water Containers: Naming 2:21 minutes
- 03 Land/Air/Water Containers: Extensions 2:21 minutes
- 04 Rock Matching 3:47 minutes
- 05 Air/Land/Water Pictures 2:32 minutes
- 06 Continent Globe and Continent Puzzle Map 6:24 minutes
- 07 South America Puzzle Map: Matching Countries to Control Map 2:53 minutes
- 08 Continent Boxes: Geography Objects with Continents
- 09 Map Cabinet Introduction 1:27 minutes
- 10 Overview of the Flag Material 0:46 minutes
- 11 Daily Calendar: Identifying Current Date 2:06 minutes
- 12 Seasons Picture Cards/Booklet 2:06 minutes
- 13 Time Line of Child's Life with Photos: Sequencing Photos 2:37 minutes
- 14 Identifying Days and Months 1:53 minutes
- 15 Making a Calendar 0:43 minutes
- 16 Clock Stamps: Making Clock Booklets 3:45 minutes
- 17 Living and Non-Living Objects: Sorting Objects 3:35 minutes
- 18 Living and Non-Living Pictures: Sorting Pictures 2:22 minutes
- 19 Living and Non-Living in the Environment 1:46 minutes
- 20 Plant/Animal Objects: Sorting Objects 2:12 minutes

- 21 Vertebrate/Invertebrate with Objects: Sorting Objects 2:47 minutes
- 22 The Human Body Nomenclature: 3 Part Cards 2:47 minutes
- 23 Parts of a Frog: Frog Puzzle 2:45 minutes
- 24 Parts of a Bird: Matching 3 Part Cards 1:30 minutes
- 25 Animal Footprints: Matching Cards 1:15 minutes
- 26 Animal Footprints (Sandpaper) 0:44 minutes
- 27 Animals Reproduce 1:15 minutes
- 28 Botany Cabinet 3:11 minutes
- 29 Parts of the Tree Puzzle 1:38 minutes
- 30 Parts of the Tree Puzzle and Cards 0:28 minutes
- 31 Parts of the Flower Puzzle 1:29 minutes
- 32 Parts of the Leaf Puzzle 3:33 minutes
- 33 Sink and Float 3:29 minutes
- 34 Magnetic and Non-Magnetic 3:24 minutes

# Elementary 1 Demonstrations



## Elementary 1 Language

- 01 The Story of the Alphabet 3:58 minutes
- 02 Introducing Suffixes and Prefixes 3:58 minutes
- 03 Compound Words 1:16 minutes
- 04 Introducing Montessori's grammar symbols 1:24 minutes
- 05 Noun: Oral Introduction 2:19 minutes
- 06 Adjective: Oral Introduction 1:44 minutes
- 07 Verb: Oral Introduction 0:51 minutes
- 08 Verb Practice 0:54 minutes
- 09 Preposition: Oral Introduction 0:59 minutes
- 10 Pronoun: Oral Introduction 1:14
- 11 Adverb: Oral Introduction 1:12 minutes
- 12 Grammar Box Materials: Conjunction Introduction 1:15 minutes
- 13 Oral Introduction to Other Grammar Functions 0:18 minutes
- 14 Grammar Box Presentation 3:39 minutes
- 15 Adjective Transposition 0:43 minutes
- 16 Verb Grammar Box Exercises 0:44 minutes
- 17 Grammar Box Materials: Prepositions 0:35 minutes
- 18 Grammar Box Materials: Adverbs 0:41 minutes
- 19 Grammar Box Materials: Pronoun 1:31 minutes
- 20 Grammar Box Materials: Conjunction 1:03 minutes
- 21 Grammar Box Materials: Interjection 0:39 minutes



22 Grammar Box Materials: Pronoun Command Cards 1:05 minutes

23 Simple Sentences: Predicate, Subject 1:02 minutes

24 Simple Sentences: Direct Object 2:00 minutes

25 Complex Sentence Structure 5:33 minutes

26 Interpretive Reading Cards 0:47 minutes

# Elementary 1 Demonstrations



## Elementary Geography

- 01 The Earth in Relation to the Sun 1:11 minutes
- 02 Parts of the Day 4:29 minutes
- 03 Hottest and Coldest Parts of the Day 3:28 minutes
- 04 International Date Line 3:10 minutes
- 05 Effects of the Earth's Rotation: The Story of Magellan 4:57 minutes
- 06 Time Zone Chart 5:44 minutes
- 07 Global Sunrise and Sunset 4:35 minutes
- 08 Sun's Rays Strike the Earth at Different Angles 5:08 minutes
- 09 Perpendicular Rays Lose Less Energy 1:38 minutes
- 10 Unequal Day and Night 4:37 minutes
- 11 24 Hour Day/Night at the Poles 2:45 minutes
- 12 Effects of Unequal Day and Night 2:44 minutes
- 13 Dates and Lengths of Seasons 3:36
- 14 Temperature Zones 5:55 minutes
- 15 Work Chart of Temperature Zones 2:42 minutes
- 16 Protractor Chart 6:30 minutes
- 17 Work Chart for the Seasons 7:03 minutes
- 18 Hot Air Rises 46 seconds
- 19 Hot Air Rises and is Replaced by Colder Air 1:33 minutes
- 20 Air Insulates 58 seconds

- 21 Wind is Moving Air 3:36 minutes
- 22 Global Winds 3:03 minutes
- 23 Deflection and Planetary Winds
- 24 Land and Sea Breezes
- 25 Seasons and Temperatures
- 26 Seasons and Rainfall
- 27 Local and Orographic Rain
- 28 Coastal Rain
- 29 Equatorial/Tropical Rains
- 30 How Currents are Formed
- 31 Warm and Cold Currents
- 32 Wind as Sculptor
- 33 Parts of a River 5:08 minutes
- 34 Sedimentation 3:25 minutes
- 35 Highlands and Lowlands 3:52 minutes
- 36 Rivers of the Child's Own Continent 2:41 minutes
- 37 Rivers of the World 1:01 minutes
- 38 Erosion by Rivers 2:23 minutes
- 39 Earth Pillar 2:35 minutes
- 40 Erosion by Waves 1:28 minutes
- 41 Ice Expands 1:57 minutes
- 42 Glacial Formation and Deposits 29 seconds
- 43 Glacial Valleys 48 seconds

44 Games of Water 1:52 minutes

45 Spread of Vegetation: Torrid Zone 1:51 minutes

46 Spread of Vegetation: Temperate Zone 1:26 minutes

45 Spread of Vegetation: Torrid Zone 1:51 minutes

# Elementary 1 Demonstrations



## Elementary 1 Geometry

- 01 The Story of Geometry 3:01 minutes
- 02 String – Types of Lines 3:31 minutes
- 03 Geometry Sticks – Positions of a Straight Line 3:03 minutes
- 04 Geometry Sticks – Positions of Two Straight Lines 1:57 minutes
- 05 Geometry Sticks – Intersecting Lines 1:08 minutes
- 06 Geometry Sticks – Types of Angles 4:01 minutes
- 07 Geometry Sticks – Parts of Angles 0:59 minutes
- 08 Montessori Protractor – Measurement of Angles 4:34 minutes
- 09 Compass – Bisecting Angles 1:02 minutes
- 10 Geometry Sticks – The Relationship Between Angles 2:03 minutes
- 11 Geometry Sticks – Two Lines Cut by a Transversal 4:40 minutes
- 12 Geometry Sticks – Regular Polygons 1:49 minutes
- 13 Geometry Sticks – Irregular Polygons 1:18 minutes
- 14 Geometry Sticks - Types of Quadrilaterals – 3:57 minutes
- 15 Geometry Sticks – Parts of a Polygon 1:52 minutes
- 16 Classified Nomenclature – Parts of the Triangle 1:01 minutes
- 17 Classified Nomenclature – Types of Regular Polygons 1:49 minutes
- 18 Metal Equiv. Fig. Mat. – Triangle Sensorial/Reasoning Level 3:13 min.
- 19 Metal Equiv. Fig. Mat. – Rhombus Sensorial/Reasoning Level 6:10 min.
- 20 Metal Equiv. Fig. Mat. – Parallelogram Sensorial/Reasoning Level 3:45 min.
- 21 Metal Equiv. Fig. Mat. – Trapezoid - Sensorial/Reasoning Level 13:23 min.

22 Metal Equiv. Fig. Mat. – Decagon - Sensorial/Reasoning Level 11:20 min.

23 Yellow Area Material – Rectangles 9:41 min.

24 Yellow Area Material – Parallelograms 4:44 min.

# Elementary 1 Demonstrations



## Elementary 1 Math

001 Numeral Charts: The Story of Numbers

002 Wooden Hierarchical Material: Linear Layout

003 Wooden Hierarchical Material: Layered Formation of Categories

004 Numeral Cards 1-1,000,000: Introduction to Symbols

005 Wooden Hierarchical Material Numeral Cards 1-1,000,000: Number Cards with Material

006 Large Bead Frame: Counting

007 Large Bead Frame: Forming Numerals

008 Large Bead Frame Paper: Writing Numerals on Notation Paper

009 Bead Bars: Commutative Law of Multiplication ( $a \times b = b \times a$ )

010 Bead Bars: Associative Law of Multiplication  $(a \times b)c = a(b \times c)$

011 Bead Bars: Distributive Law of Multiplication  $a(b+c)=(a \times b) + (a \times c)$

012 Bead Bars: Distributive Law of Multiplication with operational signs

013 Bead Bars/Decimal Cards: Distributive Law of Multiplication with Beads and Cards

014 Decimal Cards: Distributive Law of Multiplication with Cards

015 Paper: One-Digit Distributive Law of Multiplication on Paper

016 Golden Bead Material: Distributive Law of Multiplication with 2-Digit numbers

017 Golden Bead Material/Decimal Cards: Distributive Law of Multiplication with 2-Digit numbers with Cards

018 Paper Distributive Law of Multiplication with 2-Digit numbers on paper

019 Paper: Distributive Law of Multiplication with 2-Digit numerals on Paper

020 Bead Chains. Arrows with Multiples: Concept and Language of Multiples

021 Bead Bars: Common Multiples

022 1-100 Multiples of Numbers Paper: Multiples Paper

023 Investigation of Multiples 1-50

024 Investigation of Multiples 51-100

025 Peg Board: Least Common Multiples

026 Peg Board: Concept and Language of Factors

027 Table C: Investigation of Factors

028 Table C: Concept and Language of Prime Numbers

029 Peg Board: Investigation of Prime Factors

030 Paper: Using Prime Factors to Find LCM

031 Peg Board: Finding Greatest Common Factors

032 TEACHER PREPARED

033 Linear Measurement Tools: Length

034 Volume Measurement Tools: Volume

035 Weight Measurement Tools: Weight

036 Temperature Measurement Tools: Temperature

037 Large Bead Frame: One-Digit Multiplier

038 Large Bead Frame: Two-Digit Multiplier

039 Large Bead Frame: Three-Digit Multiplier

040 Checker Board: Introduction, Value According to Position

041 Checker Board: One-Digit Multiplier, Full Bead Bar Layout

042 Checker Board: Multi-Digit Multiplier, Full Bead Bar Layout

043 Checker Board: Using Multiplication Facts

044 Checker Board: Writing Partial Products

045 Graph Paper: Geometrical Form of Multiplication

046 Flat Bead Frame: One-Digit Multiplier

047 Flat Bead Frame: Two-Digit Multiplier

048 Flat Bead Frame: Three-Digit Multiplier

049 Flat Bead Frame: Recording Partial Products

050 Bank Game: One-Digit Multiplier

051 Bank Game: Two-Digit Multiplier

052 Bank Game: Three-Digit Multiplier



053 Paper: Abstract Multiplication

054 Test Tube Division: One-Digit Divisor, Final Quotients Only

055 Test Tube Division: Two-Digit Divisor. Final Quotients Only

056 Test Tube Division: Three-Digit Divisor, Final Quotients Only

057 Test Tube Division: One-Digit Divisor, Intermediate Remainders

058 Test Tube Division: Two-Digit Divisor, Intermediate Remainders

059 Test Tube Division: Three-Digit Divisor, Intermediate Remainders

060 Test Tube Division: One-Digit Divisor, Recording All Work

061 Test Tube Division: Two-Digit Divisor, Recording All Work

062 Test Tube Division: Three-Digit Divisor, Recording All Work

063 Test Tube Division: Special Cases (Zeros)

064 Stamp Game: Group Division by a 1-Digit Divisor

065 Stamp Game: Group Division by a 2-Digit Divisor

066 Stamp Game: Group Division by a 3-Digit Divisor

067 Stamp Game: Group Division with Zeros in the Divisor

068 Stamp Game: Writing On Paper

069 Paper: Abstract Division

070 Golden Bead Material: Divisibility by 2

071 Golden Bead Material: Divisibility by 5

072 Golden Bead Material: Divisibility by 25

073 Golden Bead Material: Divisibility by 4

074 Golden Bead Material: Divisibility by 8

075 Golden Bead Material: Divisibility by 3

076 Golden Bead Material: Divisibility by 6

077 Golden Bead Material: Divisibility by 9

078 Paper: Divisibility by the Product of Prime Factors

079 Golden Bead Material: Divisibility by 11

080 Golden Bead Material: Divisibility Chart

081 Fraction Circles: Introduction to Quantity, Symbol, and Language

082 Fraction Circles: Equivalence of Fractions

083 Fraction Circles: Addition, Same Denominator

084 Fraction Circles: Subtraction, Same Denominator

085 Fraction Circles: Reducing Fractions

086 Fraction Circles: Improper Fractions to Mixed Fractions

087 Fraction Circles: Multiplying a Fraction by a Whole Number

088 Fraction Circles: Dividing a Fraction by a Whole Number

089 Fraction Circles: Addition, Different Denominators

090 Fraction Circles: Subtraction, Different Denominators

091 Paper: Finding Common Denominators on Paper

092 Transparencies: Finding the Least Common Denominator Using Transparencies

093 Paper: Finding the Least Common Denominator on Paper

094 Paper: Formulation of the Rule for Addition and Subtraction of Fractions

095 Fraction Circles: Multiplying a Whole Number by a Fraction

096 Fraction Circles: Multiplying a Fraction by a Fraction

097 Graph Paper: Multiplying Fractions on Graph Paper

098 Paper: Multiplying Fractions on Paper

099 Fraction Circles: Dividing a Whole Number by a Fraction

100 Fraction Circles: Dividing a Fraction by a Fraction

101 Fraction Circles: Group Division

102 Paper: Dividing Fractions Using Cross Multiplication

103 Paper: Formation of the Rule for Dividing Fractions

104 Fraction Word Problems

# Elementary 2 Math Demonstrations



- 105 Fraction Circles, Decimal Cubes: Presentation of Quantity
- 106 Decimal Board and Cubes: Symbol Linked to Quantity
- 107 Decimal Board and Cubes: Formation and Reading of Quantities
- 108 Decimal Board and Cubes: Addition
- 109 Decimal Board and Cubes: Subtraction
- 110 Decimal Board and Cubes: Multiplication by a Unit
- 111 Decimal Cubes: Division by a Unit
- 112 Decimal Board and Cubes: Multiplying a Decimal Fraction by a Decimal Fraction
- 113 Decimal Board and Cubes: Multiplying a Decimal Fraction by a Decimal Fraction and Writing Partial Products
- 114 Paper: Abstraction of Rule for Multiplying Decimal Fractions
- 115 Decimal Board and Cubes: Division of a Decimal by a Decimal
- 116 Decimal Board and Cubes: Abstraction of the Rule for Dividing Decimal Fractions
- 117 Fraction Circles, Centesimal Frame: Conversion of Common Fractions to Decimal Fractions
- 118 Decimal Squares: Introduction to the Decimal Checker Board
- 119 Decimal Checker Board: Decimal Checker Board Multiplication
- 120 Decimal Checker Board: Writing Partial Products
- 121 Decimal Board, Test Tube Division: Effects of Multiplication or Division by Powers of Ten
- 123 Paper: Relative Size of Terms When Dividing Numbers
- 124 Bead Cabinet Short Chains: Geometric Designs with Short Chains
- 125 Bead Cabinet: Concept and Notation of Squares
- 126 Bead Cabinet: Notation of Squares Layout
- 127 Bead Cabinet: Concept and Notation of Cubes
- 128 Bead Cabinet: Notation of Cubes Layout
- 129 Bead Cabinet: Geometric Designs with Cubing Chains
- 130 Bead Cabinet: Finding the Totals of Squares and Cubes

131 Bead Bars, Bead Cabinet Squares: Table Layout and Power Scales (Patterns in Successive Differences)

132 Bead Bars, Bead Cabinet Squares: Decanomial Layout: Finding Squares

133 Bead Bars, Bead Cabinet Squares: Adjusted Decanomial: Commutative Law

134 Bead Bars, Bead Cabinet Squares and Cubes: Adjusted Decanomial: Tower of Jewels

135 Bead Bars, Bead Cabinet Squares: Numerical Decanomial: Distributive Law

136 Paper Rectangles and Squares: Numerical Decanomial

137 Bead Bars, Bead Cabinet Squares: Algebraic Decanomial

138 Bead Cabinet Squares: Addition

139 Bead Cabinet Squares: Subtraction

140 Bead Cabinet Squares: Multiplication

141 Bead Cabinet Squares: Division

142 Bead Cabinet Squares: Transformation of a Square into a Binomial

143 Bead Cabinet Squares: Transformation of a Square into a Trinomial

144 Paper Square of 100 Circles: Transformation of a Square on Circle Paper

145 Graph Paper: Transformation of a Square on Graph Paper

146 Bead Cabinet Squares: Algebraic Expression of a Binomial

147 Bead Cabinet Squares: Algebraic Expression of a Trinomial

148 Bead Cabinet Squares, Bead Bars: Passing to a Successive Square Numerically

149 Bead Cabinet Squares: The Sequence of Squares

150 Bead Cabinet Squares, Bead Bars: Passing to a Non-Successive Square Numerically

151 Bead Cabinet Squares, Bead Bars: Changing From One Square to Another Algebraically

152 Bead Bars: Squaring a Binomial Numerically

153 Bead Bars: Squaring a Trinomial Numerically

154 Bead Bars: Squaring a Polynomial Numerically

155 Bead Bars: Squaring a Binomial Algebraically

156 Bead Bars: Squaring a Trinomial Algebraically

158 Golden Bead Material: Squaring a Binomial Hierarchically

159 Peg Board: Transition from a Real Square to a Symbolic One

160 Peg Board: Squaring Binomials Hierarchically with Pegs

161 Peg Board: Squaring Trinomials Hierarchically with Pegs

162 Graph Paper: Squaring on Graph Paper

163 Peg Board: Squaring Hierarchically with Pegs: Special Cases

164 Peg Board: Extracting the Rules for Squaring

165 Cubing Material: Passing from a Cube to a Successive Cube

166 Cubing Material: Passing from a Cube to a Non-Successive Cube

167 Cubing Material: Cubing a Binomial Starting From the Square

168 Cubing Material: Cubing a Binomial Starting From the Cube of the First Term

169 Binomial Cube: Algebraic Expression of the Binomial Cube

170 Cubing Material: Algebraic Expression of the Cube

171 Trinomial Cube: Algebraic Expression of the Trinomial Cube

172 Trinomial Cube: Giving the Cube of the Trinomial Numerical Value

173 Trinomial Cube: Story of the Three Kings/Rulers: First Layout

174 Trinomial Cube: Story of the Three Kings/Rulers: Second Layout

175 Hierarchical Trinomial: Story of the Three Kings/Rulers: Third Layout

176 Hierarchical Trinomial: Cubing a Decimal Number

177 Bead Squares: Concept, Language and Notation of Square Roots

178 Square Root Unit Board: Extracting a Square Root for Numbers Less Than 225

179 Golden Bead Material: Extracting a Square Root for Numbers Less Than 9999

180 Paper: Finding the Number of Digits in a Root

181 Peg Board: Extracting a Square Root Writing Only the Answer

182 Peg Board: Extracting a Square Root Writing Answers and The Amount Used

183 Peg Board: Extracting a Square Root Writing an Analysis of the Amount Used

184 Peg Board: Backtracking

185 Peg Board: Special Cases: Zero at the End of the Root

186 Peg Board: Special Case: Zero in the Middle of the Root

189 Paper: Calculation on Paper

190 Bead Cubes: Concept, Language and Notation of Cube Roots

191 Chart of Numbers 1-9: Finding Cube Roots with Chart of Numbers 1-9

192 Cubing Material: Extracting a Cube Root of 4-6 Digit Numbers

193 Hierarchical Trinomial Cube: Extracting a Cube Root of 7-9 Digit Numbers

194 Hierarchical Trinomial Cube: Backtracking

195 Hierarchical Trinomial Cube: Special Case: Zero at the End of the Root

196 Hierarchical Trinomial Cube: Special Case: Zero in the Middle of the Root

197 Paper: Calculation of Cube Root on Paper

198 Power of Two Cube: Powers of Two

199 Included in 198

200 Power of Two Cube, Cubing Material: Any Number Can be a Base

201 Included in 200

202 Hierarchical Material: Powers of Ten

203 Cubing Material: Multiplying Numbers of the Same Base

204 Cubing Material: Dividing Numbers of the Same Base

205 Negative Snake Game: Addition of Signed Numbers

206 Negative Snake Game: Subtraction of Signed Numbers

207 Negative Snake Game: Multiplication of Signed Numbers

208 Negative Snake Game: Division of Signed Numbers

211 Addition Finger Chart: Addition (Base 5)

212 Subtraction Finger Chart: Subtraction (Base 5)

213 Multiplication Finger Chart: Multiplication

215 Non-Decimal Base Board, Bead Cabinet: Conversion From One Base to Base 10

217 Distance, Velocity and Time Material: Algebraic Notation for Distance, Velocity and Time

218 Distance, Velocity and Time Material: Introduction and Solving for Distance

219 Distance, Velocity and Time Material: Solving for Time

220 Distance, Velocity and Time Material: Solving for Velocity

221 Time, Rate, Interest and Principal Material: Solving for Interest Levels I, II, III

222 Time, Rate, Interest and Principal Material: Solving for Principal Levels I, II, III

222B Time, Rate, Interest and Principal Material: Solving for Rate Levels I, II, III

223 Time, Rate, Interest and Principal Material: Solving for Time Levels I, II, III

224 Peg Board, Geography Stamps: Concept, Language and Notation of Ratio

225 Peg Board: Ratio in Terms of Multiples

226 Peg Board: Problem Solving Using Ratios

227 Peg Board: Ratio Expressed as a Fraction

228 Peg Board: Word Problems

229 Geography Stamps, Bead Bars: Concept, Language and Notation of Proportion

231 Power of Two Cube: Proportions With 3 Dimensional Figures

232 Peg Board: Proportions With Pegs

233 Paper: Cross Multiplication

234 Paper: Word Problems

235 Bead Bars: Balancing an Equation: Addition

236 Bead Bars: Balancing an Equation: Subtraction

237 Bead Bars: Balancing an Equation: Multiplication

238 Bead Bars: Balancing an Equation: Division

239 Bead Bars: Solving for an Unknown: Addition

240 Bead Bars: Solving for an Unknown: Subtraction

241 Bead Bars: Solving for an Unknown: Multiplication

242 Bead Bars: Solving for an Unknown: Division

243 Paper: Algebraic Word Problems: One Unknown

# Montessori Leadership Early Childhood



## Overview

Some of the videos in this section provide inspiration on a topic. Some will serve as great staff development discussion starters. Some can be used for marketing Montessori to parents or the community. Others can be used for curriculum design ideas.

There are three main speakers in this program

Anna Perry comes from a perspective that is primarily infant through upper elementary and her personal experience is in private schools. She is currently the Director of the Seton Montessori Institute (Chicago area). Anna has worked with teachers and administrators in various venues. Her videos are drawn from over 5 hours of interviews over two years. Growing up as the daughter of Celma Perry, Anna has been around the Montessori movement her entire life.

Nancy Rambusch founded the American Montessori Society, several schools and spearheaded the first public Montessori schools in Canada. It is great to have her insights and personality preserved in this program. These titles are drawn from a 5 hour lecture she gave to teachers and administrators in Jackson, TN in 1992.

Greg Dixon has been a Montessori School administrator in both Canada and the U.S. As the new head of the Montessori School of Louisville, he has had significant success in strengthening the school and expanding its enrollment. He is Montessori trained and well informed about professional management methods.



## **Infant to Upper Elementary Programs – Anna Perry**

01 Importance of Certification 2:59 \*

### **Community Building**

- 02 Mission and Vision 1:31 \*
- 03 Creating a Community 5:39
- 04 School Climate 5:11
- 05 Nurturing Leaders – 2:40
- 06 Relationship with Staff- 3:08
- 07 Ongoing Staff Development 1:53
- 08 Dealing with Negativity 2:37
- 09 Student Conflicts 5:41

### **Administrator as Leader**

- 10 The Role of the Administrator 1:36
- 11 Entering as a New Administrator 3:50 minutes
- 12 Hiring Teachers 1:36
- 13 Management Styles 2:02
- 14 Confidentiality 2:19
- 15 Financial Aid Policies

### **Families as Your Clients**

- 17 School Marketing 3:18
- 18 Websites and Newsletters 2:18
- 19 Email Services 1:57
- 20 Email Quality 1:40
- 21 Problems with Adults 3:12
- 22 *Dealing with Other Parent Issues* 4:42
- 23 School Handbooks \*

### **Children with Special Needs**

- 24 Special Needs in Montessori 3:27
- 25 Cued Speech 2:46

## Observation and Standards

- 26 Preparing for an Observation 2:12 \*
- 27 Common Core State Standards 3:56
- 28 Accreditation 1:42
- 29 Fund Raising Strategies 1:45

## **Head of School Perspectives – Greg Dixon**

- 01. Building a Community of Shared Values 1:37
- 02 Professional Development Policies 1:15
- 03 Transition from Montessori to Public and Parochial Schools 2:03
- 04 Facilitating Meetings 2:18
- 05 Hiring Using Standardized Method 3:04
- 06 Canadian Montessori Schools 2:11
- 07 MRX and the Common Core Standards 0:58

## **Nancy Rambusch- Historical Comments**

- 01 Montessori and the Multi-age Classroom 1:42
- 02 Normalization
- 03 Assessment 3:42
- 04 Talking to Someone Who Does Not Understand Montessori 2:19

# Montessori Leadership Secondary and Public Schools



## Secondary Programs – Marta Donahoe

### Leadership

- 01 Servant Leadership 2:31 \*
- 02 Speaking a Common Language 1:08\*
- 03 Facilitating Meetings 1:50
- 04 Hard Conversations 1:27

### Public Montessori

- 05 Getting Started in Public Montessori 2:34\*
- 06 Getting Union Members on Board 1:55\*
- 07 Recruiting Teachers 1:27
- 08 Standards and Testing 1:37

### Secondary Montessori Curriculum

- 09 Secondary Montessori Elements 2:02
- 10 Montessori: Preparation for Life? 2:09
- 11 Outcomes 1:52
- 13 Student Conflict Resolution 1:51\*
- 15 Eighth Grade Field Study 2:52
- 16 Senior Projects 3:20
- 17 Themes: Movement – A Sensitive Period for Adolescents 2:45
- 18 Grace and Courtesy and Community Service 5:13
- 19 Seniors Reflect on Montessori Education 4:03
- 20 Race to the Top: Clark Students Initiate a Winning Effort in the  
National Competition 2:28
- 21 Steel Drum Curriculum 3:27
- 22 Intersessions 2:02

# Montessori Pioneers



## **Celma Perry**

Cribs for Infants? 1:28 minutes  
Changing Diapers 1 minute  
The Classroom Environment 3:23 minutes  
The Prepared Environment 1:20 minutes  
Academic Environment 1:56 minutes  
Independence 1:20 minutes  
Learning to Wait 1:29 minutes  
Discipline and Following the Child 1:48 minutes  
Art Appreciation 1:09 minutes  
Visiting the Symphony 0:47 minutes  
Daycare and Montessori 2:39 minutes  
Educating Parents 1:29 minutes  
Focusing on the Needs of the Children 1:48 minutes  
The Child Chooses the Curriculum 3:21 minutes  
Learning to Nurture Yourself First 2:41 minutes  
Teaching the Montessori Way 4:22 minutes

## **Nancy Rambusch**

Opening Remarks 8:30 minutes  
Montessori and the Multi-age Classroom 4:57 minutes  
Normalization 7:53 minutes  
Assessment 3:42 minutes  
Explaining Montessori 2:19 minutes

## **Ginny Varga (Also part of Infant/Toddler Assistant Training)**

Infant/Toddler Sensitive Periods 1:36 minutes  
Movement 6:25 minutes  
Order 3:11 minutes  
Language 7:03 minutes

Dottie Feldman

A Short History Montessori's Language Arts

Curriculum Development 7:47 minutes

Observation Techniques in the Classroom 1:05 minutes