

Collin College - Continuing Education COURSE SYLLABUS

COURSE INFORMATION

Course Number: CDEC1074

Course Title: Montessori 4: Math Exercises

Course Description: Instruction in the fourth module of the training program focuses on activities and exercises that introduce the child to counting, the numerical symbols, and the four basic mathematical operations. These concepts are introduced to the child through the use of concrete materials. The child obtains a visual concept of the math operations. The first hour of instruction each session focuses on the study of classroom management and the Montessori philosophy.

Suggested Course Prerequisite(s): Student must have a high school diploma and be able to write and speak English fluently

Student Learning Outcomes:

1. Focus on activities and exercises that introduce the child to counting, numerical symbols and the four basic mathematical operations.
2. Develop child's concept of math operations.
3. Understand classroom management and the Montessori philosophy.

Certification Notes: This is a certificate series.

Refund Policy: Please refer to www.collin.edu/ce/inforegistrar.html for our refund policy. No refunds after the start time of the first class.

Americans with Disabilities Act: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.

Course Sessions: Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

Lesson Plan – by week or session:

Session 1: Newspaper article, "Dr. Montessori Method"; Minimum standards and guidelines/Texas Dept of Protective and Regulatory Services; Emergency procedures for fire drills; What is a normalized child? Individual classroom presentations of Montessori materials

Session 2: Characteristics of the normalized child; Quotes from the essays on verbalization; Maria Montessori's quotes on normalization; Number games to play in a group.

Session 3: What is the normalized child?; Ten ways to gain respect so children listen; Math exercise study questions; Paper works to be used with the math materials; Individual classroom presentations of Montessori materials.

Session 4: The normalized teacher; The many faces of Maria Montessori; The beginner's mind, the Montessori mind; How to be a teacher and not a corrector; Ground rules of a Montessori classroom or how to structure for behavior; Individual classroom presentations

Session 5: How to give a Montessori lesson; Verbalizations with the young child from the Class of 2002; How do I organize it?; Quotes from Maria Montessori concerning teacher preparation; A comparison of some of the characteristics of normalized children.

Session 6: Answers to written exam questions for Module 4; Review of slide presentation of math materials; Steps in enumeration; Alternative materials to use to teach math operations; Paper works used with Montessori materials; Individual classroom presentation

Method of Evaluation: Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.

Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.

Students must complete all courses (core and no. of elective courses needed) to complete a certificate series within two years from start date of the first course taken.