

ELEMENTARY II COURSE DESCRIPTIONS

Math

The course focuses on the presentation of Montessori math materials to teach the following concepts: place value, operation, memorization, long division and multiplication, and special topics, such as time, money, and measurement. The course consists of lectures, group discussions, presentation of materials, practice, and student presentations.

Geometry

The focus of the course is on the presentation of basic geometry materials to teach plane figures, solids, relationships of lines, equivalence, and nomenclature. The study of Fractions includes equivalency, operations with like and unlike denominators, reducing, operations with mixed numbers, and comparing fractions and reciprocals. The course consists of lectures, group discussions, presentation of materials, practice, and student presentations.

Language & Reading

The Montessori Language Arts course includes culturally responsive and diverse learning approaches toward the study of reading comprehension, grammar, sentence analysis, word study, spelling, and phonograms. Adult learners will be introduced to pedagogy and materials for teaching reading and spelling to all levels of readers, with a focus on diverse learning approaches and topics in children's literature. Adult learners will learn how to weave literature throughout the curriculum, including all DEIB topics. This course will also include the history of writing, many types of writing styles, and advanced presentations in grammar and sentence analysis.

Physical Science

The course consists of science experiments, demonstrations, and extension activities involved with the Great lessons and will be woven throughout Geography, History, and Biology courses. Geological eras and timelines, and the history of life are included in this course. Additional topics include Geology, Chemistry, Meteorology, Astronomy, and Laboratory Experiments.

Geography

The course focuses on the development of the child's holistic concept of geography. The course uses impressionistic stories to include content such as the universe, solar system, the globes, atlases, maps (physical and political), flag study, landforms, classified nomenclature, biomes of the world, and the interconnected nature of geography to human development on each continent. The course includes economic geography and a culturally responsive exploration of

world cultures, with the use of Fundamental Needs of People (Horizontal Chart). The structure of the course will include lectures and demonstrations of lessons, readings, discussions, the practice of creating lessons or projects, and album preparation.

History

The course focuses on the development of the child's holistic concept of history. The content of the course includes early humans, explorations and migrations, national history and prehistory, and government. This course continues the culturally responsive exploration of world cultures through the use of the Fundamental Needs of People (Vertical Chart). The structure of the course will include lectures and demonstrations of lessons, readings, discussions, the practice of creating lessons or projects, and album preparation.

Biology

The Biological Sciences course is made of two parts: Botany and Zoology. Botany topics include the concepts of living/nonliving, the Kingdoms of life, plant/animal, external parts of the plant, the function of the parts of the plant, plant stories, and plant physiology experiments. Zoology includes living/nonliving, kingdoms of life, the animal kingdom, and the classification of the animal kingdom into its major species. The topics also include external parts of the animals and their vital functions and the way animals meet their fundamental needs. Impressionistic lessons and animal stories are taught, as are advanced animal classification charts, biomes, and ecosystems. The structure of the course will include lectures and demonstrations of lessons, readings, discussions, observation, experiments, the practice of creating lessons or projects, and album preparation.

Curriculum Design

This course will include a holistic overview of the Montessori curriculum and cover ways to incorporate 'going out' and community service, highlighting the importance of providing real-life "going out" learning experiences and community service opportunities to elementary children to further their sense of responsibility and independence. Material making and the use and role of technology in education are also covered. Consideration of equity and diversity play a large role in curriculum development and design and are a vital part of this course.

Classroom Leadership

This course is a study of classroom management systems that will help adult learners create a classroom climate that enhances learning and builds a bonded community of learners with the Education for Peace as its foundation. Discussions will include elements of the Montessori philosophy that facilitate the children's academic and spiritual growth. Adult Learners will learn the importance of having a broad repertoire of teaching strategies to accommodate children with special needs, record keeping, tracking systems, and assessments that are designed with

diversity, equity, and inclusion, as their guide. Additionally, this course will cover ways to design all levels of planning, positive discipline, and conflict resolution.

Philosophy

The focus of this course is on principles of Montessori philosophy as found in the primary works of Maria Montessori. Topics include the characteristics of the elementary age child, preparation of the environment, observation strategies, role of the guide, and the autonomy and self direction of each child within an integrated curriculum. All topics include the Education for Peace as the foundation. Class delivery includes online content, videos, recorded lectures, and small group projects and presentations.

Child Development

This course covers basic theories of child development according to the major contemporary child developmentalists. Stages of development related to the social, emotional, physical, cognitive, and spiritual growth of the 6 -12 yr old child are examined along with current research regarding adolescence. This class includes discussion, videos, lecture, and small group projects and presentations. Class delivery includes online content, videos, recorded lectures, and small group projects and presentations.

Practical Life

The study of Practical Life will include presentations and activities in the areas of self-care, care of the environment, gardening, cooking and IT topics for the elementary age student. Adult learners will participate in applying Montessori principles to daily practical life activities, preparing both indoor and outdoor environments. Adult Learners will become competent in preparing, teaching and managing hands-on activities for their students. Adult learners will participate in applying culturally responsive grace and courtesy to daily practical life activities, preparing studio and workshop space with tools and equipment such as sewing, woodworking, and other crafts.

Movement done

Through participation in group exercises and discussion, adult learners will develop an understanding of the way movement is essential to the development of the child. The adult learners will expand their knowledge of how to direct children through a variety of physical activities that are relevant, meaningful, and enjoyable and promote coordination in exercise, games, and sports.

Art

This course includes a discussion of Maria Montessori, the creative process, art integration, and application in the Montessori Classroom. Adult learners will explore art mediums and ways to

apply them in the classroom, including drawing, painting and sculpting, and the use of tools and techniques. Art appreciation, through a lens of diversity and respect for all cultures, will be shown along with cultural crafts. Adult learners will discuss ways to create lesson plans to integrate arts into their classroom.

Music

This course is designed to give adult learners the tools needed to incorporate music into every area of the Elementary I curriculum regardless of prior experience. Creating a cultural experience across the curriculum serves as a strong foundation for this course. Adult learners will learn about such topics as rhythm, singing, instrumental skills, and music appreciation.

Practicum Seminar & Year-Long Project

The Practicum seminars focus on the practicum phase of working in the classroom and discuss the purpose and details of meeting the requirements during the practicum phase of the training process. The requirement includes 1080 hours of classroom experience to be fulfilled by working in a Montessori classroom for a minimum of 6 hours per day (during the work cycle), 5 days per week, over 9 consecutive months in the same classroom.

The Practicum phase also includes the yearlong projects, reflective journals, observations, transformation of the adult, preparation of the environment, curriculum design, and other assignments that are assigned throughout the courses of this program level. A minimum of 3 field visits are conducted by field consultants from PCTE, who will observe you in your classroom during your teaching time. Additional mentorship and visits may be required, depending on the Practicum model, experience, and circumstances.

3-6 Overview (Prerequisite for EI)

The purpose of this course is to give an overview of the early childhood philosophy and curriculum. Its focus is Dr. Montessori's view on many aspects of development for the child between 2.5 and 6 years. Topics include the learning environment, the role of the adult, and the curriculum. An overview of materials and class observation are included in this course. The methods of instruction include lectures, presentations, and practice. The Google Classroom course includes online content, videos, recorded lectures and presentations, slide decks, and the opportunity to join Zoom meetings to further discuss 3-6 topics.