

Montessori Toddler STEAM (Science, Technology, Engineering, Art & Math) Integrated Curriculum

We are proud to be a STEM-certified Montessori school, where we thoughtfully integrate STEM principles into our Montessori curriculum. By combining hands-on, child-centered learning with science, technology, engineering, and mathematics, we nurture curiosity, problem-solving, and creativity in every child.

At the heart of the Montessori approach is the development of OCCI: Order, Coordination, Concentration, and Independence. These four elements form the foundation for a child's growth and learning, particularly in the toddler years when children are naturally exploring their environment and building essential life skills. Our Montessori Toddler Program is designed to support the development of our youngest children by fostering confident and capable learners. Mastering OCCI during the toddler years lays the groundwork for all future academic, social, and emotional growth.

Toddler Curriculum Overview (STEAM is integrated in all areas of learning)

LANGUAGE

1. Introduction to words related to the monthly theme.
2. Introduction to rhyming words.
3. Introduction to opposite words.
4. Tracing shape with insets.
5. Tracing straight and curved lines.
6. Tracing alphabet using Sandpaper Letters.
7. Introduction to the sounds of the letters.
8. Reading comprehension:
 - Ask and/or answer questions related to a story.
 - Make and revise predictions related to a story.
 - Begin to differentiate between real and make-believe.
9. Develop an understanding of literary elements used in creating stories:
 - Identify title, author, and illustrator.
 - Identify character and setting.
 - Retell familiar stories using beginning, middle, and end.
10. Recognizes own name in print.

MATH

1. Tracing Sandpaper Numerals.
2. Introduction of odd and even numbers.
3. Association of quantity with symbols: 1-10.
4. Recognition of numbers from 1-20.

GEOMETRY

1. Introduction of 2D shapes and learning to identify them.
2. Tracing shape with insets.

CULTURAL

1. Introduction to city-state-country and continent.
2. Introduction to the seven continents: North America, South America, Africa, Europe, Asia, and Australia.
3. Introduction to landmarks, landforms, culture, art, and music.
4. Introduction to seasons and holidays.

SCIENCE

1. Introduction to magnet.
2. Introduction to weather.
3. Life cycle of a butterfly and a plant.
4. Identify parts of a plant, fruits, and vegetables.
5. Introduction to plants and animals.
6. Introduction to living/non-living.
7. Concept of float and sink.
8. Concept of solid and liquid.

GEOGRAPHY

1. Earth as part of the solar system.
2. Introduction to North and South Pole animals
3. Introduction to the world map
4. Introduction to air, land, and water.

ART

1. Introduction to Vincent Van Gogh.
2. Introduction to Jackson Pollock.
3. Introduction to Piet Mondrian.

MUSIC

1. Introduction to Pyotr Tchaikovsky.
2. Introduction to Antonio Vivaldi.

PRACTICAL LIFE

1. Use basic eating utensils.
2. Sort and match utensils.
3. Develop a routine for care of self (e.g., handwashing, putting shoes on, zipping up jackets, etc.).
4. Develop manual dexterity by cleaning up spills and the workspace.
5. Set a place at the table.
6. Learning to keep the environment clean.
7. Locate and layout a work mat.

SENSORIAL

1. Identify objects that belong to a group.
2. Recognize patterns.
3. Match primary & secondary colors.
4. Match and identify sounds.
5. Match and identify smells.

SOCIAL

1. Take turns in a group setting.
2. Identify peers and teachers by name.
3. Communicate wants and needs to others appropriately.
4. Participate in social settings like meetings, snacktime, and outdoor play.

MOTOR

1. Move throughout the environment with physical control.
2. Climb, step, jump, hop, walk, and run.
3. Correctly handle books and materials.
4. Handle clothing (e.g., zippering, velcroing, buttoning, putting on a coat).
5. Scoop large and small materials.