

Mallinckrodt Kindergarten Curriculum:

The Kindergarten curriculum is designed to include district mandated academics, STEM development, as well as teacher designed curriculum to meet the needs of every individual student.

Reading:

- Students will use phonetic skills to decode and read grade-level text with purpose, understanding, and fluency.
- Students will participate in teacher led guided reading groups with books specific the individual's reading level.
- Students will apply their implemented reading strategies learned from reading groups to enhance understanding as students read independently.
- Students will accurately read Dolch Sight Words Pre-Primer through First Grade.
- Students will develop a positive connection with reading.

Writing:

- Students will continue to develop fine motor skills to refine handwriting.
- Students will use utilize the writing process to express thoughts and opinions in written form to create:
 - An opinion piece, stating a clear preference
 - An informative/explanatory piece
 - A creative narrative piece, introducing characters, setting and at least two appropriately sequenced plot events
- Students will use a variety of tools to produce and publish writing.

Science:

- Students will learn how to be a scientist and how to develop the scientific method.
- Students will use their senses to make predictions and observations.
- Students will observe and carry out experiments surrounding the four seasons and earth's position in the universe.
- Students will gain insight to force and motion; pushes and pulls, as well as cause and effect relationships in science
- Students will gain understanding of characteristics and life cycles of plants and animals; food webs.

Math:

- Students will represent and solve addition and subtraction problems within 20.
- Students will utilize multiple strategies to show thinking and explain understanding.
- Students will extend the counting sequence to 120 and understand place value
- Students will utilize standard and nonstandard units of measurement.
- Students will tell and write time.
- Students will represent and interpret data in multiple formats, such as graphs and charts.
- Students will reason with 2D and 3D shapes and their attributes
- Students will make sense of mathematical problems, design strategies to solve and persevere in problem solving.

- Students will recognize and count collections of coins that include half-dollar, quarter, dime, nickel, and penny.

Social Studies:

- Students will identify community roles and the rights and responsibilities of citizens.
- Students will understand systems of governance, laws and how and why laws are created.
- Students will recognize city, state and national symbols
- Students will establish strong character education, focusing on integrity, empathy, responsibility, kindness and compassion.

Partnerships and Student Enrichment Opportunities

- Students incorporate art and design into cross-curricular topics to enhance STEAM learning.
- Students use both the Computer Lab and in class technology to enhance learning.
- Through a partnership with Gateway Greening, students utilize an outdoor classroom to enrich learning, develop an understanding of sustainable food sources in an urban garden, and work with their hands to create a connection with nature and elements of the natural environment.