

Private Elementary Engineering and Computer Science School

Welcome to Meadow Oaks Academy Elementary School. Our purpose at Meadow Oaks Academy is to provide our children with a firm foundation in skills of reading, phonics, spelling, language, math, engineering, science, computer science and social studies. Spanish, music, physical education, computer instruction and art balance out our program. Our goals for each child include not only academic achievement, but also development of good work habits, and independent study skills. We want each child to develop a positive self image and productive problem solving skills to become all that he or she can be. We have implemented a curriculum and program to foster that positive outlook.

Our elementary classrooms are organized into centers and areas that the children are able to take advantage of on a daily basis.

- At the teacher directed reading tables, skills of phonics, reading, language arts, and handwriting are taught to a small group of children. Each child will systematically progress through our phonics based series of Ready Readers. These readers present and reinforce sound phonetic skills and supplementary language activities that allow the child to read a story, grasp facts and details of written material, sequence events and determine the main ideas of their reading.
- Readers Workshop allows students to be challenged and motivated as they master phonetic analysis, contextual clues and experiences the appreciation of literature. Phonetic workbooks help develop critical and creative thinking skills. These skills of reasoning teach children *how to think*.
- In the math center, children practice math skills by playing a variety of math-centered games, participate in math activities correlated with Everyday Math and Singapore Math, and have an opportunity to work with puzzles and other manipulatives.
- Children are natural born engineers. They're fascinated with building things—and with taking things apart to see how they work. When children engineer in a school setting, they apply what they know about science and math—and their learning is enhanced as a result. At the same time, because engineering activities are based on real-world technologies and problems, they help children see how disciplines like math and science are relevant to their lives.
- Computer and STEM center is equipped with latest iPads and desktops that provide 1:1 ratio during computer science classes. Our school believes computer science coding and programming should be part of core curriculum, alongside other core courses. Children are able to take advantage of computer programs that are designed to accompany reading, math, science and social studies.
- Writers Workshop is designed for children to practice skills of handwriting, creative writing, vocabulary, traditional grammar, hands-on language arts activities and games.
- First through Fifth grades will have spelling quizzes weekly. A list of words will be given which will reinforce phonetic rules being presented in the current reading lesson. Sentence structure will be emphasized with both paragraph and story writing encouraged.
- Science center allows opportunities for observation, classification, experimentation and problem solving to occur. Second, Third, Fourth and Fifth graders will display their work at our Science and Technology Fair in the winter of the year.
- Social Studies center is integrated thematically by learning to explore, interpret and manipulate the environment positively. The subjects will supplement their understanding of historical and current events through drama presentations, literature, art projects, interactive student notebook and many hands-on activities.
- Our Library center is peaceful, comfortable place where children can come and stretch out with a good book, and travel the world through its pages. Literacy is encouraged as the children explore the printed word. A love for books and reading, as well as respect for books and reading materials is fostered here. We also make class books and place them in our library so that the children may read their own works!
- Art center is designed so that children may enjoy creative art as well as crafts and constructive activities based on the curriculum.

Our elementary curriculum utilizes the OPEN COURT Reading Program, Singapore Math and EVERYDAY MATH by The University of Chicago Mathematics Project. Engineering, robotics and automation courses and Computer IT program courses are integral part of their daily learning. Books and stories are selected for each unit to further enhance understanding and emerging literacy. Emergent literacy is also encouraged through an understanding of phonetic rules and constructs. Open Court Reading program is used in small group settings to introduce and reinforce phonetic understanding in our strategic readers. Our strong reading program is complemented by an equally strong and exciting math program. The University of Chicago's EVERYDAY MATH is a hands-on math curriculum, similar to the MATH THEIR WAY program that is designed to develop understanding and insight of the patterns of mathematics through the use of concrete materials. It helps young children see the relationships and interconnections of mathematics and enables them to deal flexibly with mathematical ideas and concepts. Children not only learn to add and subtract a numerical sentence, they gain the understanding of how and why the numbers and sets of numbers relate.

To round out our private elementary program, children participate in music, physical education, art and Spanish.

Kindergarten through Fifth grades will be provided with breakfast, lunch and an afternoon snack. All meals are included in your tuition except lunch.

At Meadow Oaks Academy, we strive to provide a safe atmosphere where a child can be successful in a variety of areas. Academically, emotionally, socially and physically we challenge our children to learn and grow in an environment of encouragement, confidence, security and love. We look forward to sharing all that we have to offer with your child. We want to make this year an exciting and eventful time that will make a positive, lasting influence on your child. We must enjoy these days to the fullest, for they are indeed fleeting. Thank you for giving us the opportunity to know and work with you and thank you for sharing your children with us!



school of **ENGINEERING and TECHNOLOGY**



Meadow Oaks Academy

SCOPE AND SEQUENCE Elementary Private School

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