QUEST

ENGINEERING • SCIENCE • TECHNOLOGY

The Emerson School QUEST program is an exciting student-centered science and technology program. QUEST is an integrated, collaborative program that merges science and technology curriculums into a hybrid program—offering students valuable opportunities to explore and experience multiple problem-solving perspectives through inquiry-based science, the design thinking process, and project based learning.

QUEST meets the needs of 21st century learners—teaching them essential skills for succeeding in today's world.

Unlike other STEAM programs, QUEST is offered to all K-5 students, four days per week. Students increase their knowledge of the world around them by focusing on the three major areas of science (life sciences, earth and space sciences, and physical sciences).

Utilizing an inquiry-based approach, students participate in a variety of experiments, lab projects and related activities. Following the completion of each unit, students move to our Innovation Lab where they apply the design thinking process and draw from their studies to identify problems, develop and test models, and design solutions.

QUEST is an investment in our students, who may become the engineers, scientists, and programmers who shape the future.

When in the REC Room (the Robotics, Engineering, and Coding lab), students learn to code using a variety of interactive tools and applications that represent real programming concepts. In turn, their coding skills are applied to relevant engineering projects and developmentally-appropriate robotic builds.

- Emphasizes the importance of having diverse perspectives and multiple approaches to develop potential solutions to real world problems

- Provides opportunities to practice and develop creativity, cooperation, resilience, and independence

- Creates unique collaborative opportunities for K-5 homeroom and specials teachers

- Students participate in cooperative learning and problem-based thinking, while being encouraged to question, take risks, and develop their curiosities

- All components are based upon common science and technology themes from NGSS, ISTE Standards for Students, and ITEEA