STEM ACADEMY

THE BEST WAY TO PREDICT THE FUTURE IS TO INVENT IT - ALAN KAY

Engineering:

Robotics and Automation

Project-based learning used to explore the fundamentals of engineering. Students gain in-depth and hand-on experience designing and developing autonomous robots using Vex Robotics.

Civil Engineering & Architecture

Courses implement long-term projects for property developments to simulate the real-world experiences of the industry. Students often work in teams exploring hands-on activities and projects.

Computer-Aided Design & Drafting

CAD courses prepare students to bring concepts to life! Students learn the foundation of modeling and sketching through computer software then apply their knowledge to draw, design, and develop 3D products.

Biomedical Science

Students investigate concepts of human medicine and are introduced to bioinformatics, including mapping and analyzing DNA. They explore prevention, diagnosis, and treatment of disease working collaboratively to investigate and design innovative solutions for the health challenges of the 21st century.

Advanced Manufacturing PTech

Students learn how to use of innovative technologies to create existing products and the creation of new products. Advanced manufacturing can include production activities that depend on information, automation, computation, software, sensing, and networking.

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