

NEW FOR 2024-25

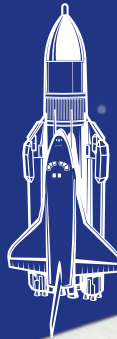
STEM



AT NEW RICHMOND PREP

WHAT IS STEM?

STEM education is the intentional integration of science, technology, engineering, and math into a learning program that encourages inquiry, collaboration, and critical thinking.



WHAT TO EXPECT

Students take an active role in their learning -- asking questions, collaborating with classmates, and investigating solutions through experimentation and project-based learning.

ALL GRADE
LEVELS

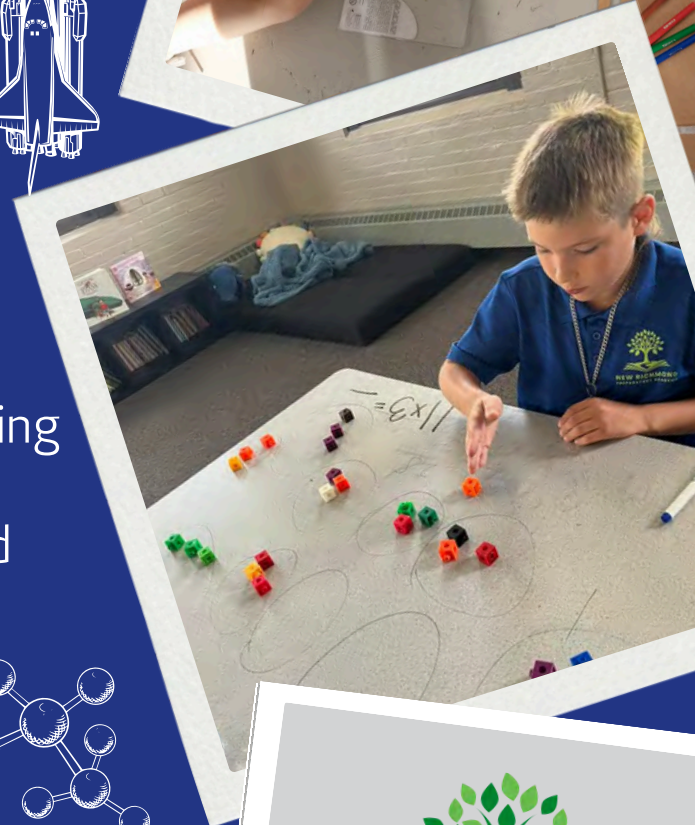
EXAMPLE PROGRAMS

PUMPKIN
LAUNCH

CARDBOARD
BOAT CONTEST

SLOT CAR
DRAG RACE

212 MARKET ST. | (513) 991-1110



NEW RICHMOND
PREPARATORY ACADEMY

MONTHLY STEM ACTIVITY SCHEDULE



PUMPKIN LAUNCH

STUDENTS CONSTRUCT CATAPULTS IN CLASS & HELP LAUNCH THE MEGA PUMPKIN CATAPULT. MEASUREMENTS WILL BE TAKEN FOR DISTANCE, HEIGHT & FLIGHT TIME.

LEAF PILE



STUDENTS ENGAGE IN LESSONS ABOUT PHOTOSYNTHESIS AND WHY LEAVES FALL. GRADE LEVELS WILL CONSTRUCT THE ULTIMATE RAKE!

CANDY CANE THAW



STUDENTS WILL MAKE PREDICTIONS & CONDUCT EXPERIMENTS TO MEASURE OUTCOMES OF WHAT LIQUIDS DISSOLVE CANDY CANES THE FASTEST.

EARTHQUAKE SIMULATION

STUDENTS WILL DESIGN STRUCTURES IN THE CLASSROOM THAT CAN WITHSTAND EARTHQUAKES.



BLACK INNOVATORS STUDY

STUDENTS RESEARCH THE IMPACT OF BLACK INVENTORS & EDUCATORS PRESENTING THEIR IMPACT TO THEIR CLASSMATES



EGG DROP

CONSTRUCTING SAFETY CRATES THAT WILL KEEP STUDENT EGGS SAFE FROM DIFFERENT LEVELS OF IMPACT.



SLOT CAR DRAG RACE

DESIGN & BUILD WOODEN CARS FROM KITS TO BE USED IN DRAG RACE COMPETITIONS.



CARDBOARD BOAT CONSTRUCTION

STUDENTS WILL DESIGN CARDBOARD BOATS TO TEST ABILITY TO FLOAT. GRADES 4 & 5 WILL BE ENTERED INTO THE ANNUAL NEW RICHMOND CARDBOARD BOAT REGATTA

