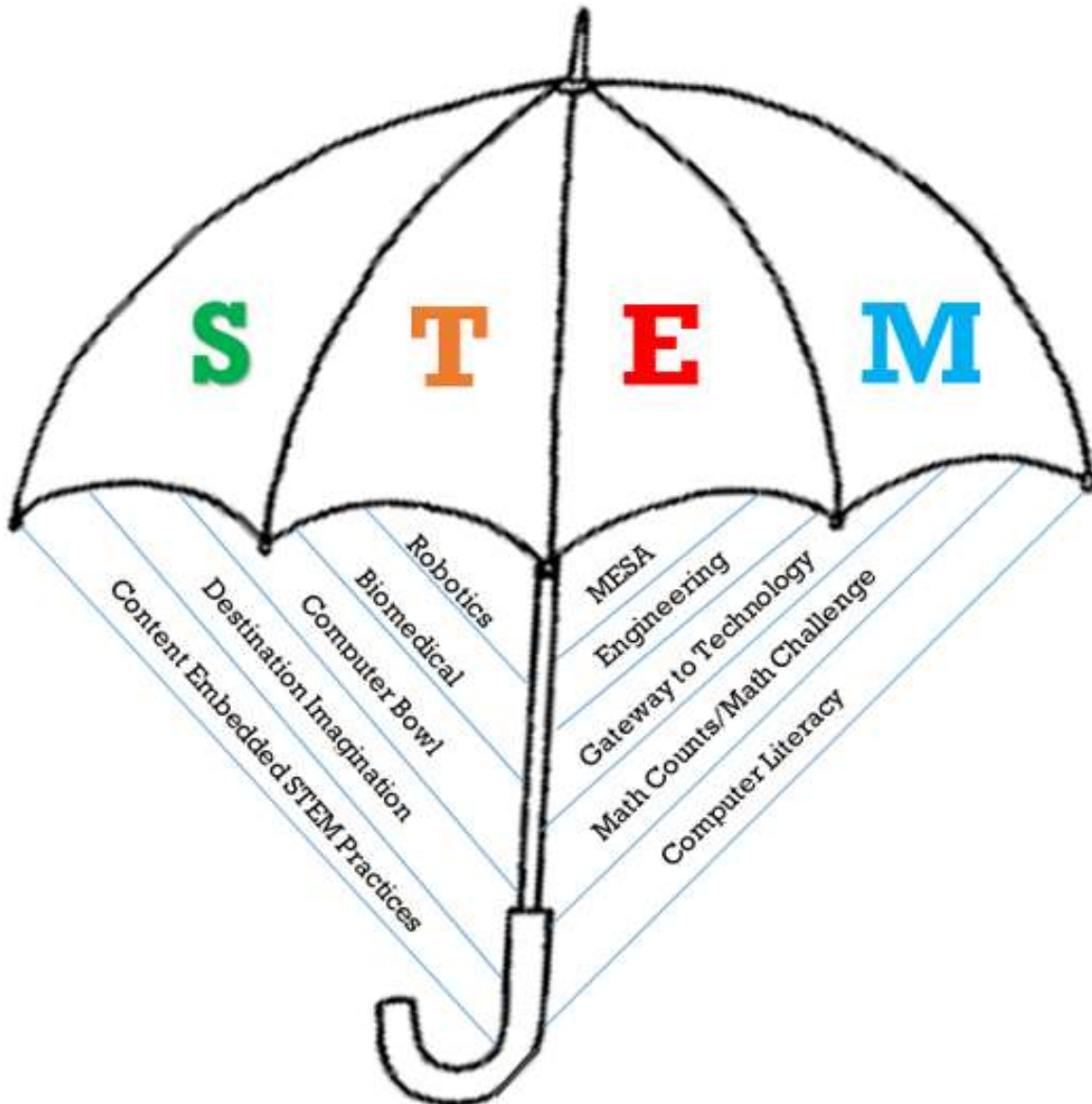


CCPS



“We’ve got you covered!”



Science, Technology, Engineering, and Mathematics (STEM) in Calvert County Public School

What is STEM Education? An approach to teaching and learning that integrates the content and skills of science, technology, engineering, and mathematics.

Vision: All students will become critical thinkers and creative, innovative problem solvers.

Mission: All students, PreK-12, will engage in foundational STEM education experiences which will enable them to make informed decisions about STEM classes, careers, and the use of STEM in everyday life.

Elementary School

- *STEM units in Science grades K-5
- LEGO instructional units in Grade 5
- Engineering is Elementary (EiE) in Grade 5
- After School Activities
 - ✓ Math, Engineering, Science and Achievement (MESA)
 - ✓ LEGO Robotics
 - ✓ Destination Imagination
 - ✓ Math Challenge

Middle School

- *Computer Literacy
- *Gateway to Technology (GTT)
 - ✓ Design and Modeling
 - ✓ Energy and the Environment
 - ✓ Robotics and Automation
- After School Activities
 - ✓ Math, Engineering, Science and Achievement (MESA)
 - ✓ LEGO Robotics
 - ✓ Math Counts

High School

- Foundations of Technology
- Project Lead the Way (PLTW) Engineering
 - ✓ Introduction to Engineering (IED)
 - ✓ Principals of Engineering (POE)
 - ✓ Aerospace Engineering (AE) & Digital Electronics (DE)
 - ✓ Capstone – Engineering Design and Development (EDD)
- Project Lead the Way (PTLW) Biomedical
 - ✓ Principals of Biomedical Science
 - ✓ Human Body Systems
 - ✓ Medical Interventions
 - ✓ Capstone -Biomedical Innovation
- Project Lead the Way Computer Science (HHS Pilot)
 - ✓ Introduction to Computer Science (ICS)
- After School Activities
 - ✓ Math, Engineering, Science and Achievement (MESA)
 - ✓ VEX Robotics
 - ✓ FIRST Robotics
 - ✓ Computer Bowl

An asteroid (*) represents courses in which all students enroll.