

K-12 Comprehensive STEM Plan

STEM Pathway	PLTW Launch Grades K-5	PLTW Gateway Grades 6-8	PLTW Programs Grades 9-12
Biomedical Science	Variations of Traits (3) Input/Output: Human Brain (4) Infection Detection(5)	Medical Detectives (7)	Principles of Biomedical Science (All Nine Base High Schools) <u>Advanced Pathways:</u> AAST Majors Program, SREB ATA Majors Programs, Advanced PLTW CFHS Advanced PLTW CHS Advanced PLTW Click HERE for Complete Offerings at Each School
Computer Science	Animated Storytelling(1) Grids and Games(2) Input/Output:Computer Systems(4) Infection: Modeling and Simulation(5)	Computer Science for Innovators and Makers (8) App Creators (8)	Computer Science Principles (All Nine High Schools) <u>Advanced Pathways:</u> AAST Majors Program, SREB ATA Majors Programs, Advanced PLTW CFHS Advanced PLTW CHS Advanced PLTW Click HERE for Complete Offerings at Each School
Engineering	Exploring Design(K) Pushes and Pulls(K) Animals and Algorithms (K) Light and Sound (1) Light:Observing the Sun, Moon, and Stars(1) Materials Science: Properties of Matter (2) The Changing Earth (2) Stability and Motion: Science and Flight(3) Stability and Motion: Forces and Interactions (3) Energy: Collisions (4) Energy: Conversion (4) Robotics and Automation(5) Robotics and Automation: Challenge(5)	Design and Modeling (6)	Introduction to Engineering and Design Principles of Engineering (All Nine Base High Schools) <u>Advanced Pathways:</u> AAST Majors Program, SREB ATA Majors Programs, Advanced PLTW CFHS Advanced PLTW CHS Advanced PLTW Click HERE for Complete Offerings at Each School