Engineering Technologies-Emerging
(Project Lead The Way)

Course Code	Course Description	Teacher Certification/Licensure
171815	A flexible sequence of courses which when combined with college preparatory mathematics and science courses introduces students to the scope, rigor, and disciple of engineering and engineering technology. The curriculum includes, but is not limited to introduction of engineering design, principles of engineering, digital electronics, computer integrated manufacturing, engineering design and development and includes futuring technology (e.g. fuel cell, nanofabrication and material science)	110000 HS Mathematics 110094 AD Integrated Math 130301 HS Chemistry 130302 HS Physics 132010 AD Integrated Science 132020 AD Physical Science (Physics/Chemistry) 132150 AD Physical Science (Chemistry) 132160 AD Physical Science (Physics) 132035 AD Life Sciences (Physics) 132036 AD Life Sciences (Chemistry) 132045 AD Earth Science (Physics) 132046 AD Earth Science (Chemistry) 100005 Industrial Arts 101315 Industrial Technology 101320 Industrial Technology 102000 Industrial Arts 160610 Technology Education 171002 VO/CT Electrical Trades 171012 VO/CT Industrial Maintenance & Repair 171300 VO/CT Drafting Occup. 171503 VO/CT Electronics 171801 VO/CT Eng. Technology 171802 VO/CT Manufacturing Technology 171807 CT Eng. Design 171808 CT Eng. Processes 171809 CT Eng. Product 172302 VO/CT Precision Mach. 172307 VO/CT Tool & Die ***Teachers must have a minimum of Baccalaureate degree, hold one of the above cited cert/licenses, successfully complete the PLTW Teacher pre-assessment and complete all related PLTW course work specific to the course they will be teaching.***