Career Plan of Study

Science, Technology, Engineering & Mathematics

Learner Name _____   **Date** _____

Learner Signature _____   **Advisor Signature** _____

Parent/Guardian Signature (if required)_____

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

High School

9ᵗʰ Grade	10ᵗʰ Grade	11ᵗʰ Grade	12ᵗʰ Grade
English I	English II	English III	English IV
Algebra I or Geometry	Geometry or Algebra II	Algebra II, Pre-Calculus, or Trigonometry	Trigonometry or Calculus
Physical Science or Biology I	Biology I or Chemistry I	Chemistry or Physics	AP Biology, AP Chemistry, or AP Physics
Geography/State History	World History	American History	Economics/Government
Required Courses/Electives PE, Health, Art, Foreign Language, or Computer Technology	***Required Courses/Electives*** PE, Health, Art, Foreign Language, or Computer Technology	**Additional High School Electives** Agriculture Power & Technology Principles of Ag Technology Drafting and Design *Introduction to Engineering *Computer Integrated Manufacturing *Principles of Engineering *Engineering Design & Development	**Technology Center Electives** Drafting and CAD CNC (Computer Numerical Control) Electronics Industrial Maintenance Precision Machining
Career Electives TechConnect Manufacturing Technology Education Agriscience I	***Career Electives*** TechConnect Manufacturing Technology Education Agriscience II		

Post-Secondary

Career/Technical College	Community College	College/University
❑ Automated Manufacturing Technology	❑ Design Engineering Technology	❑ Mechanical Engineering
❑ Drafting and CAD	❑ Pre-Engineering	❑ Civil Engineering
❑ Electronics	❑ Industrial Drafting	❑ Mathematics
❑ Industrial Maintenance	❑ Biology	❑ Biology
❑ Manufacturing Engineering Technology	❑ Chemistry	❑ Biochemistry
❑ Precision Machining	❑ Physics	❑ Chemistry
	❑ Mathematics	❑ Physics
		❑ Management Science and Systems Analysis

Career Enhancement Options

Work-based Learning Options	Short-Term Training Options
Job-Shadowing: Internship/Mentorship: On-The-Job Training:	❑ Safety Training ❑ Visual Basic 6 ❑ VB Net ❑ Wireless Technology ❑ Internet & Network Security ❑ AutoCAD

*These courses are part of the Project Lead The Way curriculum. More information is available at www.pltw.org