

Academy of Engineering Technologies

PLTW Scope and Sequence of Courses

2016-17

Student Name _____

PLTW Engineering Pathway: Minimum of 5 total classes
(4 required PLTW classes* with 1 optional class choice)

Optional classes include

- Drafting II
- PLTW Computer Integrated Manufacturing
- PLTW Civil Engineering and Architecture
- FTCC classes include 3D Animation, A/C, Heating, Refrigeration, Computer-Integrated Machining, Building Construction Tech., Computer IT/Hardware & Software, Computer Programming/Visual Basic, Graphic Design, Green Sustainable Architecture, Photovoltaic Systems, Plumbing, Simulation & Game Development, Collision Repair, Network Defense and Welding. **Students must complete FTCC application and be accepted.**

	Fall	Spring
Grade 9		PLTW Introduction to Engineering (H)* (required) Prerequisite Algebra I Introduction To Engineering is a prerequisite for Drafting II
Grade 10	Optional Class	PLTW Digital Electronics (H)* (required)
Grade 11	PLTW Principles of Engineering (H)* (pre req. Geometry) (required)	Optional Classes Civil Engineering and Architecture (H) Computer Integrated Manufacturing (H) Drafting II
Grade 12	PLTW Engineering Design and Development* (required) And /Or FTCC High School Connections	Optional Classes Civil Engineering and Architecture (H) Computer Integrated Manufacturing (H) Drafting II And /or FTCC High School Connections