

Technology Education



(2) 070211 & 070212 **Engineering Drafting**

(algebra or alg prin) mechanical drafting using hand tools, computers, math

(2) 070611 & 070612 **Architectural Draft**

(algebra or alg principles) draw plans, construction techniques, computers

(2) 044111 & 044112 **Introduction to Electronics**

(algebra or alg principles) electronics, how devices work, built, repaired

(1) 162611 **Introduction to Robotics**

(algebra or alg prin) - computer writing, editing, robotics, automated devices

Technology Education



- (1) 041711 **Wood Technology I** - fundamentals of hand tools and machine woodworking
- (1) 041721 **Wood Technology II** - (wood tech I) - advanced woods
- (1) 041712 **Construction Technology I** - safety, tools, math, basic carpentry, career opportunities in the trades
- (1) 041713 **Construction Technology II** (construction tech I) - advanced construction technology
- (1) 041714 **Construction Technology III** (con tech II) - more advanced construction technology
- (8) 041511 & 041512 & 041513 & 041514
***Student Built Home** (Construction Technology I, II, III, application & screening)

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- (1) 241211 **Metals Materials & Processes** – forge/foundry machine tools, grinding and cutting equipment
- (1) 241221 **Advanced Metals** (metals) - advanced course, technologies of the industry
- (1) 241411 **Basic Welding** - practice in both oxyacetylene and arc welding
- (1) 241421 **Advanced Welding** (welding) advanced arc, oxyacetylene and MIG welding
- (6) 241511 & 241512 & 241521 & 241522
***Voc Welding I** (application) – registered with American Welding Society in SENSE Program
- (6) 241513 & 241514 & 241523 & 241524
***Voc Welding II** – (12th grade, voc welding I, application required) certification

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- (1) 090111 **Know Your Car** – introductory level for car owners who are not necessarily future mechanics
- (1) 090121 **Basic Auto 1** - introductory course in brakes, electrical and basic engines
- (1) 090131 **Advanced Auto** (basic auto) advanced procedures and repair techniques
- (8) 091241 & 091242 & 091243 & 091244 ***Auto Tech I**
(application required) – real-life job skills @ West
- (8) 241421 & 241422 & 241423 & 241424 ***Auto Tech II**
(12th grade, tech I, application required)
advanced, auto lab as dealership service area @ West

Project Lead the Way

*college credit courses



- (2) 160313 & 160314 ***Introduction to Engineering Design**
(algebra) – problem-solving model, 3D modeling software
- (2) 162612 & 162613 ***Principles of Engineering**
(IED + algebra) – technology systems and manufacturing processes
- (2) 169521 & 169522 ***Civil Engineering & Architecture**
(IED + geometry) – software to solve real world problems
- (2) 162751 & 162752 ***Computer Integrated Manufacturing**
(IED + POE) - 3-D model using software automation, robotics, programming
- (2) 210081 & 210082 ***Digital Electronics**
(IED or POE+ algebra) – develop electronic circuits and devices
- (2) 210071 & 210072 ***Engineering Design & Development**
(completed 3 PLTW courses + precalculus or AP stats)