

BLUE SPRINGS SCHOOL DISTRICT PERSONAL PLAN OF STUDY

Career Path: **Industrial & Engineering Technology**
Career Cluster:

- Architecture & Construction
- Manufacturing
- Science, Technology, Engineering & Math
- Transportation, Distribution & Logistics

Date: _____

Student Name: _____

Student Signature: _____

Parent/Guardian Signature: _____

High School	9 th Grade	10 th Grade	11 th Grade	12 th Grade
	English I or English I Literature & Comp	English II or World Literature & Comp	English III or American Literature	
	Algebra A, Algebra I or Geometry	Algebra B, Geometry, Tech Geometry or Algebra II		
	Physical Science or Accelerated Physical & Biological Science	Biology I or Pre-AP Biology		
	Geography & American Government or Advanced Government and Political Analysis	World History or AP European History	US History, AP US History or American History 101 & American History 102	
	PE/Health	PE		
				Personal Finance
<p>Additional requirements by graduation year are: 2010 & 2011: 1 credit Science; 1 credit Math; 1 credit Communication Arts including ½ credit Speech; 1 credit Practical Art; 1 credit Fine Art; 7 credits electives (minimum) 2012: 1 credit Science; 1 credit math; 1 credit Communication Arts; 7 electives (must include ½ credit in technology & ½ credit in a speech class.)</p>				

Career Major Coursework				
High School	ART Design Fundamentals Art History Drawing I, II Painting I, II Photography I, II 3D Design Ceramics I, II Fibers Portfolio I, II BUSINESS & TECHNOLOGY Computer Applications Desktop/Multimedia Communications COMMUNICATION ARTS English IV English 110 / 214 AP English Communications I	FOREIGN LANGUAGE Two years same language, minimum INDUSTRIAL/TECHNICAL EDUCATION General Metals Metals Technology Drafting Fundamentals Mechanical Drawing I / II Architectural Drawing CAD I & II General Woodworking I / II Advanced Woodworking Small Engine Repair Home Maintenance & Repair Construction Technology MUSIC Band/Orchestra/Choir	MATHEMATICS Pre AP/AP Calculus College Algebra College Trigonometry College Statistics College Business Calculus PROJECT LEAD THE WAY Introduction to Engineering Design Principles of Engineering Digital Electronics	ROTC Aerospace I, II, III, IV Drill & Ceremonies SCIENCE Chemistry I / II or Pre AP / AP Chem Physics / AP Physics Applied Bio-Chem Technology
	Area Career Center available Jr/Sr years	Community College	*College/University	Other
Postsecondary	<input type="checkbox"/> Advanced Networking Admin. <input type="checkbox"/> Auto Collision Technology <input type="checkbox"/> Auto Mechanics Technology <input type="checkbox"/> Construction Trades Technology <input type="checkbox"/> Computer Support Services <input type="checkbox"/> Electronics Technology <input type="checkbox"/> Elements of Engineering <input type="checkbox"/> Horticulture & Landscape Mgmt. <input type="checkbox"/> Intro to Health Science & BioTech <input type="checkbox"/> IT Essentials I	<input type="checkbox"/> Audio Engineering Technology <input type="checkbox"/> Automotive Technology <input type="checkbox"/> Construction Management <input type="checkbox"/> Drafting and CAD <input type="checkbox"/> Electronics Technology <input type="checkbox"/> Engineering Technology <input type="checkbox"/> HVAC-R <input type="checkbox"/> Housing & Interior Design <input type="checkbox"/> Land Surveying <input type="checkbox"/> Power Plant Operations <input type="checkbox"/> Railroad Operations	<input type="checkbox"/> Architecture <input type="checkbox"/> Civil Engineering <input type="checkbox"/> Construction Management <input type="checkbox"/> Education <input type="checkbox"/> Electrical Engineering <input type="checkbox"/> Industrial Technology <input type="checkbox"/> Urban Planning	<input type="checkbox"/> Apprenticeship <input type="checkbox"/> Military <input type="checkbox"/> On-the-Job Training
	Work-based Learning Opportunities After School Employment Cooperative Occupational Experience Internship/Mentorship Job-Shadowing On-The-Job Training Service Learning	Relevant High School Intra-Curricular/Co-Curricular Experiences Career and Technical Student Organization: <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA Other high school activities: <input type="checkbox"/> Robotics	Graduation Exams ___ U.S. Constitution ___ MO Constitution	
Career Enhancement Options				

Adapted from National Career Cluster

*College bound students should plan to include courses necessary for college admission. Refer to college prep certificate information as a general reference; however, each college / university has its own specific requirements.

Note: All Career and Technical Education courses count as a practical arts credit.