

# HOWELL HIGH SCHOOL FOUR-YEAR PLANNING GUIDE



The following pages are a sample of a 4-year plan for a pathway in...

. Engineering and Manufacturing

# HOWELL HIGH SCHOOL FOUR-YEAR PLANNING GUIDE



## Career Path: Engineering and Manufacturing with CAD and Manufacturing Block

Grade	English	Social Studies	Math	Science	Elective	Elective	Elective
9th	English 9 or Honors	World History or Honors World History	Algebra I or Honors Algebra I	Biology or Honors Biology	World Language	Health	PE
10th	English 10 or Honors	U.S. History or Honors U.S. History	Geometry or Honors Geometry	Chemistry or Physics or Honors Science	World Language	Intro to Engineering	Pre-Manufacturing
11th	English 11 of Adv. Amer. Lit.	.5 Gov't, .5 Econ or AP Gov't.	Algebra II or Honors Algebra II	Science Elective or Honors Science	World Language or Elective	CAD-2 Hour Block	
12th	Senior English or AP English	Social Studies Elective or AP Econ.	Algebra III or FST	Science Elective or AP Science	World Language or Elective	Manufacturing - 2 Hour Block	

Engineering/Manufacturing and Industrial Technology Persons choosing this pathway: are visually oriented & can understand spatial relationships have good observation skills and possess good communication skills can work either independently or with a team can design & create original ideas, are analytical & detail oriented can diagnose & solve complex mechanical problems, possess a mechanical aptitude & ability to work with tools.

# HOWELL HIGH SCHOOL FOUR-YEAR PLANNING GUIDE



## Career Path: Engineering/Manufacturing with Engineering/Robotics Block, AP - Pinckney

Grade	English	Math	Social Studies	Science	Elective	Elective	Elective
<b>9th</b>	Honors English 9	Honors Geometry	Honors World History	Honors Chemistry	World Language	Health	PE
<b>10th</b>	Honors English 10	Honors Algebra II	AP U.S. History	AP Biology (2 hour Block)		Intro to Engineering, .5	Pre-Manufacturing, .5
<b>11th</b>	Adv. Comp.	FST	AP Chemistry (2 hour Block)		Engineering and Robotics (3 Hour Block, Pinckney)		
<b>12th</b>	AP English	AP Calculus	AP Econ or AP Gov't	AP Physics	Engineering and Robotics (3 Hour Block, Pinckney)		

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## Career Path: Engineering and Manufacturing with Robotics Engineering Block - Pinckney

Grade	English	Math	Social Studies	Science	Elective	Elective	Elective
<b>9th</b>	English 9 or Honors	Alg. I or Honors Alg. I	World History or Honors World History	Biology or Honors Biology	World Language	Health	PE
<b>10th</b>	English 10 or Honors	Geometry or Honors Geometry	U.S. History or Honors U.S. History	Chemistry or Physics or Honors Science	World Language	Intro to Engineering	Pre-Manufacturing
<b>11th</b>	English 11 or Adv. Amer. Lit.	Alg. II or Honors Alg. II	.5 Government, .5 Economics or AP Government	Science Elective or Honors Science	Engineering and Robotics I (3 Hour Block, Pinckney)		
<b>12th</b>	Senior English or AP English	Alg. III or FST	Social Studies Elective or AP Economics	Science Elective or AP Science	Engineering and Robotics II (3 Hour Block, Pinckney)		

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