

# Cohort Examples

**Mr. Matthew Wykoff**  
**Career & Technical Education**  
**Academy Coordinator at Zebulon B. Vance High School**



• Mr. Wykoff has taught Introduction to Engineering Design (IED), Computer Integrated Manufacturing (CIM), Digital Electronics (DE), and Civil Engineering & Architecture (CEA). As the Academy of Engineering Coordinator, Mr. Wykoff looks forward to the continued progress of his students, alumni and community. Matthew strives with his colleagues, to help support the growth and success of the STEM Workforce.

• Kent State University, B.S. Degree:  
Technology Education

• University of North Carolina Charlotte, Master's  
Degree in Education:  
Curriculum and Supervision

• Has been at ZB Vance since August, 2006

• Is located in A216



**Matthew Wykoff**  
**CTE Academy Coordinator**

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## Join Us

Enrollment Deadline Approaching. ACT NOW!

# 9<sup>th</sup> Grade

## Cohort Schedule Example

### Fall Semester

Block	Course	Grade 9
1	PLTW Pathway to Engineering Concentration	*PLTW Introduction to Engineering Design
2	Mathematics	*CC Math I
3	English	*English I
4A	Other Requirements	Health/PE
4B	Electives	Elective
4	STEM Enhancement	Principles of Business & Finance
Advisory (Revised Schedule)	Career Development	Career/College Planning

\*\* Choose 1 option

### Spring Semester

Block	Course	Grade 9
1	*Science	Active Physics
2	*Social Studies	World History
3	*College Prep	ACA 122 / AVID
4A	Other Requirements	Health/PE
4B	Electives	Elective
4	STEM Enhancement	Multi-Media & Web Page Design
Advisory (Revised Schedule)	Career Development	Career/College Planning

\*\* Choose 1 option

## Accelerated Cohort Schedule Example

### Fall Semester

Block	Course	Grade 9
1	PLTW Pathway to Engineering Concentration	*PLTW Introduction to Engineering
2	Mathematics	*CC Honors Math II
3	English	*Honors English I
4A	Other Requirements	Health/PE
4B	Electives	Elective
4	STEM Enhancement	Principles of Business & Finance
Advisory (Revised Schedule)	Career Development	Career/College Planning

\*\* Choose 1 option

### Spring Semester

Block	Course	Grade 9
1	*Science	Honors Earth & Environmental
2	*Social Studies	World History
3	*College Prep	ACA 122
4A	Other Requirements	Health/PE
4B	Electives	Elective
4	STEM Enhancement	Multi-Media & Web Page Design
Advisory (Revised Schedule)	Career Development	Career/College Planning

\*\* Choose 1 option

# 10<sup>th</sup> & 11<sup>th</sup> Grade

## Sophomore Cohort Schedule Example

Block	Course	Grade 10
1	PLTW Pathway to Engineering Concentration	Introduction to Engineering Design
2	*Social Studies	Civics & Economics Honors
3	*Science	Biology Honors
4A	Other Requirements	Spanish I
4B	Electives	Human Geography AP
Advisory (Revised Schedule)	Career Development	Career / College Planning

Block	Course	Grade 10
1	PLTW Pathway to Engineering Concentration	PLTW Computer Integrated Manufacturing
2	Mathematics	CC Math II
3	English	English II
4A	Other Requirements	Spanish 1
4B	Electives	Elective
4	College STEM Enhancement	CPCC CCP CTE
Advisory (Revised Schedule)	Career Development	Career / College Planning

## Junior Cohort Schedule Example

Block	Course	Grade 11
1	PLTW Pathway to Engineering Concentration	PLTW Civil Engineering & Architecture
2	*Social Studies	American History I Honors
3	*Science	Chemistry I Honors
4	Other Requirements	Spanish II
Advisory (Revised Schedule)	Career Development	Career / College Planning

Block	Course	Grade 11
1	PLTW Pathway to Engineering Concentration	PLTW Principles of Engineering
2	Mathematics	CC Math III
3	English	English III
4	College STEM Enhancement	CPCC CCP CTE Pathway College Course / Entrepreneurship
Advisory (Revised Schedule)	Career Development	Career / College Planning

# 12<sup>th</sup> Grade

## Senior Cohort Schedule Example

Block	Course	Grade 12
1	PLTW Pathway to Engineering Concentration	PLTW Principles of Engineering
2	*Social Studies	American History II Honors
3	*Science	Environmental Science AP OR Physics AP
4	Other Requirements	Physics Honors OR SAT Prep
Advisory (Revised Schedule)	Career Development	Career / College Planning

Block	Course	Grade 12
1	PLTW Pathway to Engineering Concentration	PLTW Principles of Engineering OR STEM Enhancement
2	Mathematics	CC Math IV OR Pre-Calc
3	English	English IV
4	Electives	AP Statistics OR CPCC CCP CTE Pathway College Course
Advisory (Revised Schedule)	Career Development	Career / College Planning