



# STEM CAREERS COURSE PLANNING

Engineering | Manufacturing | Technology | Construction

Name: \_\_\_\_\_ 's Cheney High School Course Plan

Using the [Cheney High School Course Plan](#), the [Pathway Plans on the back of this sheet](#), and your transcript as a guide, complete the chart below by adding the course title and code for required courses you have taken, the grade you earned in the course, and write in courses you will take in the future to reach your goals both to and beyond graduation. If there are already courses in the box, circle or highlight which one you would like to register for. You will need a completed plan with guardian signature to move to the next step of registration. Return this sheet to your Advisory teacher.

After high school, I currently plan to...					See Next Page for Pathway Elective Recommendations				
2 Years of the Same World Language is <u>highly recommended</u> for post-secondary education -- most 4-year colleges require World Language.									
	Language Arts (ELA)	Health/Fitness		Math	Science	Elective	Elective	Elective	Elective
9	LA 9 or Pre-AP LA 9	Health PE121	Fresh. Fit. PE101	Algebra I or H. Geometry	Biology or Pre-AP Biology				
	Language Arts (ELA)	Social Studies		Math	Science	Elective	Elective	Elective	Elective
10	LA 10 or Pre-AP LA 10	World History or AP World History		Geometry or Honors Geometry or Honors Algebra II	Ag. Power & Tech. or Physical Science or Pre-AP H. Chemistry or AP Biology				
	Language Arts (ELA)	Social Studies		Math	Science	Elective	Elective	Elective	Elective
11	H. Business Writing or H. Business Comm. or LA 11 or AP Lang/Comp	US History or AP US History		Algebra II Honors Algebra II or AP Pre-Calculus or M107 - Mathematical Reasoning	AP Computer Science or Cisco Networking I or Physics or AP Physics or Chemistry or AP Chemistry				
	Language Arts (ELA)	Social Studies		Math	Recommended Science or 2 Electives	Elective	Elective	Elective	Elective
12	H. Business Comm. or H. Business Writing or LA 12 or AP Lit/Comp	Civics or H. Gov.	Econ or H. Econ	AP Pre-Calculus or AP Calculus or AP Computer Science or M107 Math. Reasoning or AP Statistics					
	Are you currently interested in enrolling in one of the following programs? If so, circle or Highlight one. Running Start or NewTech Skills Center								

Student's Signature: \_\_\_\_\_ Advisor's Signature: \_\_\_\_\_

Guardian's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**FLIP FOR MORE INFO**



# STEM CAREERS COURSE PLANNING

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## STEM

### ROBOTICS

- MS**
- Career Exploration
  - Intro to Comp. Sci.
  - Minecraft Coding
  - Computer-Aided Art
  - Apps & Websites
  - MS Intro to Computer Programming
  - MS Web Development
  - Robotics
  - Communication

- 1**
- Engineering Design **M**

- 2**
- Robotics

- 3**
- AP Computer Science **A**, **M** or **S**
  - Applied Engineering & Manufacturing

- 4**
- Project Management I/II
  - H. Business Communications **E**

- MORE CLASS OPTIONS**
- H. Business & Media Writing **E**

### POSSIBLE RELATED CAREERS

- Robotics Engineer
- Electromechanical & Robotics Technician
- UI/UX Designer

### ENGINEERING

- MS**
- Career Exploration
  - Intro to Comp. Sci.
  - Minecraft Coding
  - Computer-Aided Art
  - Apps & Websites
  - MS Intro to Computer Programming
  - MS Web Development
  - Robotics
  - Communication

- 1**
- Engineering Design **M**

- 2**
- Manufacturing
  - Agricultural Power & Technology **S**

- 3**
- AP Computer Science **A**, **M** or **S**
  - Applied Engineering & Manufacturing

- 4**
- Project Management I/II
  - H. Business Communications **E**

- MORE CLASS OPTIONS**
- H. Business & Media Writing **E**

### POSSIBLE RELATED CAREERS

- Engineer
- Civil Engineer
- Structural Engineer
- Mechanical Engineer

## ARCHITECTURE & CONSTRUCTION

### DESIGN & PRE-CONSTRUCTION

- MS**
- Career Exploration
  - Intro to Comp. Sci.
  - Minecraft Coding
  - Computer-Aided Art
  - Apps & Websites
  - MS Intro to Computer Programming
  - MS Web Development
  - Robotics
  - Communication

- 1**
- Interior Design I **A**
  - Interior Design II

- 2**
- Engineering Design **M**

- 3**
- Manufacturing

- 4**
- Project Management I/II
  - H. Business Communications **E**

- MORE CLASS OPTIONS**
- Microsoft Office Industry Certifications **E**
  - H. Business & Media Writing **E**

### POSSIBLE RELATED CAREERS

- Interior Designer
- Structural Engineer
- Environmental Design
- Mechanical Engineer

## MANUFACTURING

### MANUFACTURING

- MS**
- Career Exploration
  - Intro to Comp. Sci.
  - Minecraft Coding
  - Computer-Aided Art
  - Apps & Websites
  - MS Intro to Computer Programming
  - Robotics
  - Front-End Engineering
  - Communication

- 1**
- Engineering Design **M**

- 2**
- Manufacturing

- 3**
- Applied Engineering & Manufacturing
  - Welding & Fabrication I **E**

- 4**
- Welding & Fabrication II
  - Project Management I/II
  - H. Business Communications **E**

- MORE CLASS OPTIONS**
- H. Business & Media Writing **E**
  - Work-site Learning

### POSSIBLE RELATED CAREERS

- Design Engineer
- Electronics Engineer
- Fabricator
- Welder

## ALL STEM CAREER RELATED CLASSES AT CHS

### ENTRY COURSES

Courses With No Pre-Requisite Requirements

- AP Computer Science **A**, **M** or **S**
- Engineering Design **M**
- Interior Design I **A**
- Intro to Computer Programming
- Manufacturing
- Robotics
- Ag Power & Technology **S**

### ADVANCED COURSES

Each Course Has Pre-Requisite Requirements

- Interior Design II
- Applied Engineering & Manufacturing

### ADDITIONAL RELATED COURSES

- Graphic Design **A**
- Digital Photography **A**
- Commercial Photography **A**
- Project Management I/II

### WORLD LANGUAGE FOR COLLEGE PLANS

2 Years of the Same World Language is **highly recommended** for post-secondary education - most 4-year colleges require World Language.

- A** Art or CTE Credit
- E** Language Arts (ELA) or CTE Credit
- M** Math or CTE Credit
- S** Science or CTE Credit
- ECON** Satisfies Economics Requirements
- FREE** FREE College Credit Opportunity