

MAT-SU CAREER & TECH HIGH SCHOOL

WELCOME NEW TIGERS AND FAMILIES!

Goals:

1. Learn about CTHS.
2. Select a Pathway.
3. Complete course requests for 23-24 year!



CTHS Mission Statement



CTHS prepares students for career and college success by engaging students in an enriched learning environment that fuels their ambition through real-world experiences, inspires excellence through rigor, and empowers leadership through lifelong learning.

What will I experience at Career Tech High that reflects the school's mission?

- **Pathway Days**
- **Interview Dress Days**
- **CTSOs as a major activity (Sports & Fine Arts are housed at boundary schools)**
 - Skills USA, BPA, HOSA, ProStart, Educators Rising
- **Clubs & Service Organizations (NTHS, Student Government)**
- **Academic and Skills based Competitions**
 - Science/Ocean Bowl, Battle of the Books, Robotics, Engineering Design, ProStart
- **Academic Rigor mixed with career & “after high school” connections**
 - AP Classes, Dual Enrollment for college credit
- **Career Focused Instruction & Skills training intensity**
 - Industry Certifications
- **A culture that emphasises employment expectations:**
 - Showing up to learn/work
 - Being on time and prepared
 - Being excited and ready to learn/work
 - Working hard, problem solving, teamwork

CAREER & TECHNICAL EDUCATION

PALMER HIGH

- Agriculture & Natural Resources
- Automotive Technology
- Business & Information Technology
- Cabinetry, Carpentry & Construction
- Culinary Arts
- Education & Teacher Training
- Welding

COLONY HIGH

- Architectural & Technical Drafting
- Business & Finance
- Digital Media
- Computer Science & Robotics
- Education & Teacher Training
- Small Engines – Power Equipment
- Welding/Industrial Tech

HOUSTON JR/SR HIGH

- Business/IT/Digital Media
- Construction, Carpentry & Cabinetry
- Education & Teacher Training
- Healthcare Ed. & Emergency Trauma
- Small Engines & Welding

JOE REDINGTON JR/SR HIGH

- Education & Teacher Training
- Construction, Carpentry & Cabinetry
- Small Engines
- Welding
- Industrial Tech/STEM
- Aviation & Media Skills

MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT

ACCESS & AVAILABILITY

DISTRICT-WIDE CTE OFFERINGS
Available to all MSBSD students

- Aviation
- Certified Nursing Assistant
- Construction Trades
- Dental Assisting
- Forestry
- Health & Fitness
- Hydraulic Fluids
- Culinary Arts
- Networking (CISCO)
- Oil, Gas & Utilities Process
- Online CTE Courses
- Outdoor Power Equipment
- Pharmacy
- Veterinary Assisting
- Welding
- Wildland Fire Science

WASILLA HIGH

- Architectural and Technical Drafting
- Business & Finance
- Construction, Carpentry & Cabinetry
- Automotive
- NCC – Leadership School
- Digital Media
- Computer Science & Robotics

SU VALLEY JR/SR HIGH

- Business & Computer Science
- Construction, Carpentry & Cabinetry
- Drafting and Global Info Systems
- Small Engines
- Welding

BURCHELL, MAT-SU CENTRAL & TWINDLY BRIDGE

- Access to District-wide Career & Technical Education courses

VALLEY PATHWAYS

- Business & Technology
- Access to District-wide Career & Technical Education courses

MAT-SU CAREER & TECHNICAL HIGH

- Architectural & Technical Drafting
- Business & Finance
- Computer Science
- Construction, Carpentry & Cabinetry
- Culinary Arts
- Health Sciences
- Industrial Technology
- Pre-Engineering
- Robotics

GLACIER VIEW

- Welding


ALL MIDDLE SCHOOLS

- STEM/STEAM/Industrial Technology

A Typical Day at CTHS

- **School Hours: 7:50 - 1:51**
- **Transportation- Transfer buses are available to bring students to/from their community school to CTHS**
- **A shorter school day to allow for district wide transportation.**
- **Academic/CTE classes throughout the day.**
- **One lunch - 30 minutes**
 - Closed Campus - open for upper with approval
 - Open Seating
 - Dining Options- School Lunch, Tech Cafe

CTHS 2022-2023 Bell Schedule

Monday	Tuesday-Friday
Period 1: 8:50-9:31	Period 1/4: 7:50-9:18
Passing: 9:31-9:36	Passing: 9:18-9:23
Period 2: 9:36-10:17	Period 2/5: 9:23-10:51
Passing: 10:17-10:22	-Lunch: 10:51-11:21-
Period 3: 10:22-11:03	Passing: 11:21-11:26
-Lunch: 11:03-11:33-	Period 3/6: 11:26-12:54
Passing: 11:33-11:38	Passing: 12:54-12:59
Period 4: 11:38-12:19	4C's: 12:59-1:51
Passing: 12:19-12:24	Classes: 88 min/Passing 5 min/Lunch 30 min/ 4C's 52 min
Period 5: 12:24-1:05	
Passing: 1:05-1:10	
Period 6: 1:10-1:51	
Classes: 41 min/Passing 5 min/Lunch 30 min	

BUILDING

- Architecture & Drafting
- Cabinetry & Woodworking
- Construction Trades
- Pre-Engineering
- Welding

BUSINESS/INFO TECHNOLOGY

- Accounting & Finance
- Business Administration
- Computer Science
- Digital Media

FITNESS/SPORTS MEDICINE

- Physical Therapy
- Sports Medicine & Fitness

HEALTH

- Biomedical Science
- Dental Assistant
- Emergency Medicine Services
- Health Informatics
- Pharmacy Technician
- Pre-Nursing

PATHWAYS

HUMAN SERVICES

- Legal & Law Enforcement
- Teacher & Education Training
- Veterinary Assistant

NATURAL RESOURCES

- Animal Science
- Geospatial Technology
- Horticulture
- Process Technology & Utility Operation
- Wildland Firefighting

TOURISM & CULINARY

- Culinary Arts
- Lodging & Travel Management

TRANSPORTATION

- Automotive Technology
- Aviation Technology
- Hydraulics/Fluids/Diesel
- Logistics
- Outdoor Power Equipment Technician (OPET)

MSBSD GRADUATION REQUIREMENTS

Classes of 2025, 2026, 2027

*Students who have entered CTHS through the lottery process are required to complete a certain number of courses within a CTE Pathway.

4.0 English
3.5 Math
3.5 Soc. Studies
3.0 Science
1.0 Physical Education
0.5 Health
9.0 Electives **(4.0 CTE*)**
1.0 CCCC

25.5 Total Credits

EXAMPLE FRESHMAN SCHEDULE

- **Counselors will schedule freshman into their required CORE classes (English, Math, Civics & Biology) along with the required Intro to Career Pathways & 4C's Courses.**
 - Language Arts and Math classes will be based on the classes that you are currently taking in 8th grade. Your counselor will select the appropriate courses for you.
- **Civics (semester) - If taken in middle school, students get another semester elective.**
- **Health (semester) - If taken in middle school, students get another semester elective.**
- **1.5 credits of Electives (can be combination of year long or semester based)**
 - **PE (required to take 1.0 credit of PE total = full year or 2 semesters)**
- **4 C's (College, Career, Community, Credit)**

AN EXCITING OPPORTUNITY FOR MATH!

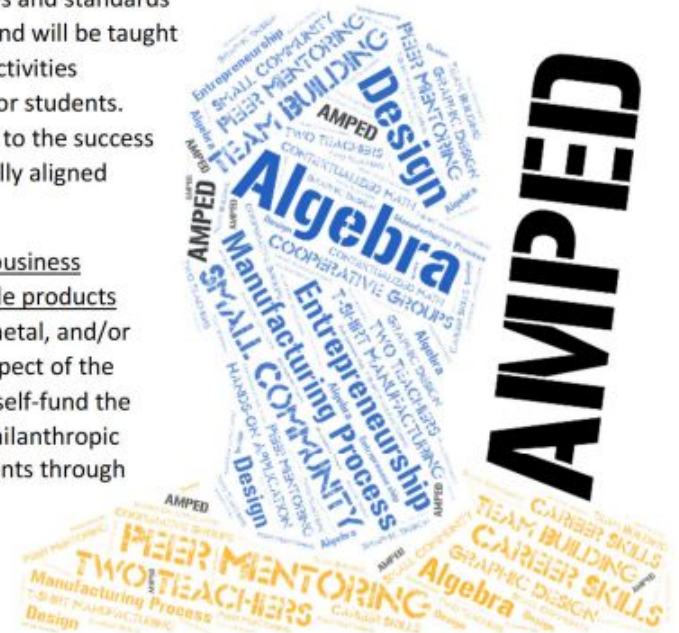


***AMPED -
Providing
relevance and
hands on
activities for
students who
need to learn
Algebra.**

The AMPED on Algebra program contains all objectives and standards delivered in a traditional 4-wall Algebra 1 classroom and will be taught through real world, project-based lessons, labs, and activities creating a richer, more robust learning environment for students. We believe rigor, relevance, and relationships are key to the success of our students. Additionally, AMPED on Algebra is fully aligned with the national standards.

Annually, AMPED on Algebra students will operate a business running an advanced fabrication lab customizing textile products and manufacturing other items comprised of wood, metal, and/or plastic. The proceeds generated from the business aspect of the program will be utilized to self-fund the venture and provide philanthropic opportunities for students through community service or monetary gifts to local charities. Students

learn skill sets in various engineering techniques including sublimation, CNC operations, and rapid prototyping. Additional areas for student engagement include composite technologies, alternative energies, and automation robotics.



FRESHMAN ELECTIVES 2023-2024

Building		Culinary & Tourism	
Industrial Safety & First Aid	84140	Food & Nutrition (SCI)	86450
Cabinet/Woods 1 & 2 YL (MATH)	86210/86220	Intro to Baking	85161
Interior Design S1	82050	Human Services	
Housing Concepts S2	86120	Intro to Career Pathways <i>All freshman are automatically enrolled in this class.</i>	
Intro Engineering Design YL (MATH)	86401/86402	Health	
Robotics/Adv Robotics YL (SCI)	84730/84740	Health Occupations	84020-W
Tech Drafting 1 & 2+ (MATH)	86010/86020-W	Intro to Vet Science (SCI)	81040
Business		Natural Resources	
Technical Applications 1	83030	Intro to Forestry S1 (SCI)	81060
Technical Applications 2	83040-W	Intro to Nat Res/Ag S2 (SCI)	81070
Desktop Publishing 1 S1	83200	Transportation	
Desktop Publishing 2 S2	83210	Intro to Aviation	86720
Web Design/Adv Web Design YL (LA)	83440/83450	Physical Education (choose one or two semesters)	
Marketing S1 (SOC)	83710	Fitness Activities	5221/5222
Entrepreneurship S2 (LA/SOC)	83700	Outdoor Recreation	5541/5542
AP Comp Sci Principles YL (SCI)	84831/84832	World Language - year long	
Yearbook YL (LA)	89941/89942	Spanish 1	6211/6212
		Spanish 2	6221/6222

Freshman will have anywhere from 3 - 5 elective classes, depending on if they have completed certain courses early at the middle school level. On the google form, you will be asked to select your top 8 choices. That gives the counselors plenty of courses to use as alternates if you do not get your top picks.