

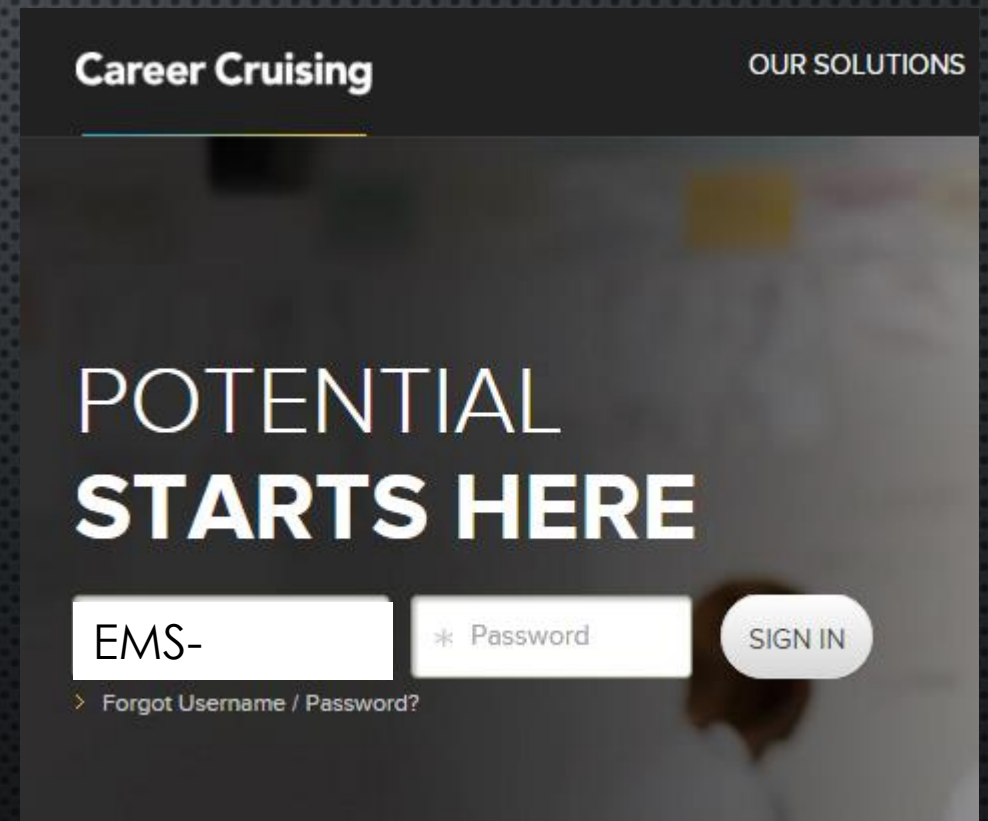
# HOLLENSTEIN

CAREER AND TECHNOLOGY CENTER



# IDENTIFYING INTERESTS

- INTEREST SURVEYS
- CAREER RESEARCH
- HCTC TOUR
- START TAKING COURSES OF INTEREST



**CAREER CLUSTERS:** CAREER CLUSTERS CONTAIN OCCUPATIONS IN THE SAME FIELD OF WORK THAT REQUIRE SIMILAR SKILLS.

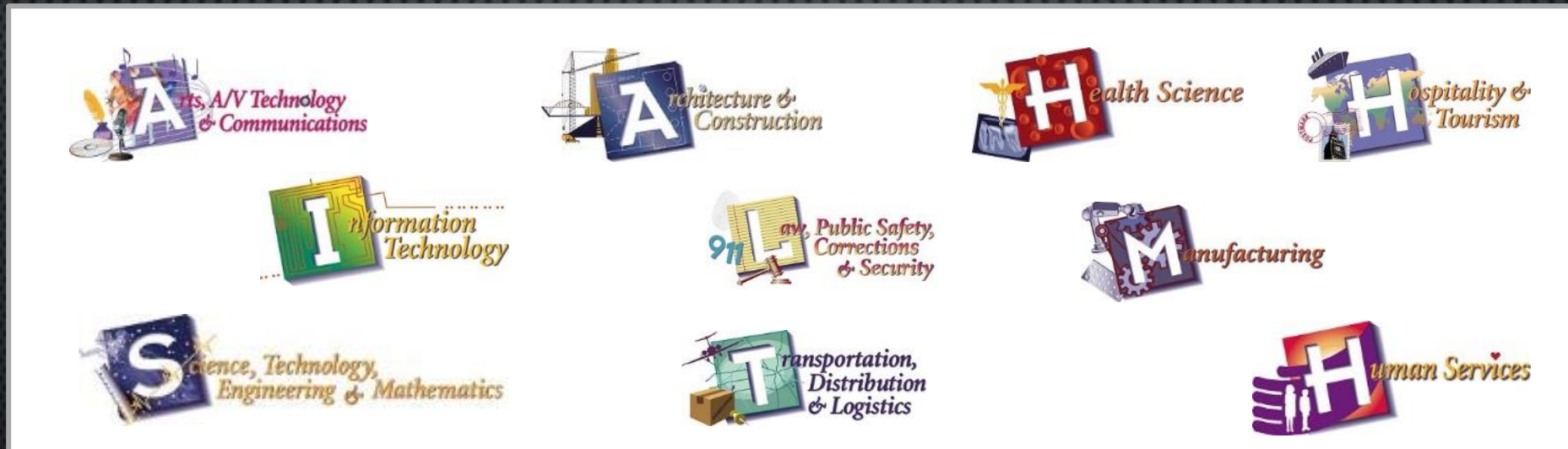


**PREREQUISITES:** IS A COURSE YOU HAVE TO COMPLETE PRIOR TO BEING ABLE TO TAKE THE NEXT LEVEL COURSE.

- FOR EXAMPLE: YOU HAVE TO HAVE PRINCIPLES OF HUMAN SERVICE BEFORE BEING ABLE TO TAKE COSMETOLOGY I.
- BE MINDFUL OF THESE WHEN SETTING YOUR GOALS

# CTE COURSES & HCTC

- ALL PROGRAMS START ON THE HOME CAMPUSES
- SOME PROGRAMS LEAD TO HCTC



- SOME PROGRAMS STAY AT THE HOME CAMPUSES



**ENDORSEMENTS:** TEXAS STATE LEGISLATION CHANGED GRADUATION PLANS. STARTING WITH THE CLASS OF 2018 STUDENTS WILL GRADUATE WITH AN ENDORSEMENT. THE FOLLOWING ARE THE ENDORSMENTS THAT EMS-ISD OFFERS:

- BUSINESS & INDUSTRY
- PUBLIC SERVICE
- SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM)
- ARTS & HUMANITIES
- MULTIDISCIPLINARY

# FOUR YEAR PLAN

- **TAKE REQUIRED COURSES NEEDED FOR GRADUATION 9<sup>TH</sup> AND 10<sup>TH</sup> GRADE.**
  - **16 - CORE CLASSES**
    - **4 ENGLISH, 4 MATH, 4 SCIENCE, 4 HISTORY**
  - **1 – PE**
  - **2 - WORLD LANGUAGES**
    - **SPANISH, FRENCH, GERMAN**
  - **1 -FINE ARTS**
    - **THEATER, THEATER ARTS, DANCE, CHOIR, FLORAL DESIGN, BAND, ART**
- **TAKE REQUIRED PREREQUISITE SO YOU CAN TAKE THE UPPER LEVEL COURSES**

## 4-Year Planning Tool -- Foundation Distinguished Level of Achievement

Student Name: \_\_\_\_\_

ID#: \_\_\_\_\_

Endorsement: **Multidisciplinary**

Pathway: **4X4**

	English	Math	Science	Social Studies	Elective	Elective	Elective	Notes/Alternates
12th Grade	English 4 AP English 4 Dual Credit English 4 College Prep English Debate 3 Oral Interp 3	Algebra 2 Algebra 2 PAP Precalculus Precalculus PAP Adv Quant Reasoning AP Statistics AP Calculus AB AP Calculus BC Engineering Math AP Computer Science Pre-Calculus OnRamps Dual Credit	Chemistry Chemistry PAP Physics AP Physics 1 Aquatic Science Environmental Systems AP Biology AP Chemistry AP Physics 2 AP Environmental Sci Anatomy & Physiology Med Micro/Patho Forensic Science Aeroscience	Gov't AP Gov't Dual Credit Gov't  Economics AP Economics Dual Credit Economics				Watch for prerequisites
11th Grade	English 3 AP English 3 Dual Credit English 3	Math Models Math Apps in Ag Algebra 2 Algebra 2 PAP Precalculus Precalculus PAP Adv Quant Reasoning AP Statistics AP Calculus AB AP Calculus BC Engineering Math AP Computer Science	Chemistry Chemistry PAP Physics AP Physics 1 Aquatic Science Environmental Systems AP Biology AP Chemistry AP Physics 2 AP Environmental Sci Anatomy & Physiology Med Micro/Patho Forensic Science Aeroscience	U.S. History AP U.S. History Dual Credit U.S. History				Watch for prerequisites
10th Grade	English 2 English 2 PAP	Geometry Geometry PAP Math Models Math Apps in Ag Algebra 2 Algebra 2 PAP	Biology Biology PAP IPC Chemistry Chemistry PAP Physics Ap Physics 1	World History AP World History	Language II	PE		Watch for prerequisites
9th Grade	English 1 English 1 PAP	Algebra 1 Algebra 1 PAP Geometry Geometry PAP	Biology Biology PAP IPC	World Geography World Geography PAP AP Human Geography	Language I	Fine Arts		Other Requirements Language 1 Language 2 PE/Athletics Fine Arts
8th Grade		Algebra 1 PAP				Spanish I	Art I	

Career Goal: \_\_\_\_\_

Signature: \_\_\_\_\_



## 4-Year Planning Tool -- Foundation Distinguished Level of Achievement

Student Name: \_\_\_\_\_

ID#: \_\_\_\_\_

Endorsement: **Business & Industry**

Cluster: **Audio & Video Technology**

Specialty: **Animation**

	English	Math	Science	Social Studies	Elective	Elective	Elective	Notes/Alternates
12th Grade	English 4 AP English 4 Dual Credit English 4 College Prep English Debate 3 Oral Interp 3	Algebra 2 Algebra 2 PAP Precalculus Precalculus PAP Adv Quant Reasoning AP Statistics AP Calculus AB AP Calculus BC Engineering Math AP Computer Science Pre-Calculus OnRamps Dual Credit	Chemistry Chemistry PAP Physics AP Physics 1 Aquatic Science Environmental Systems AP Biology AP Chemistry AP Physics 2 AP Environmental Sci Anatomy & Physiology Med Micro/Patho Forensic Science Aeroscience	Gov't AP Gov't Dual Credit Gov't  Economics AP Economics Dual Credit Economics	5086. Advance Animation	5086. Advance Animation	Soccer	Watch for prerequisites
11th Grade	English 3 AP English 3 Dual Credit English 3	Math Models Math Apps in Ag Algebra 2 Algebra 2 PAP Precalculus Precalculus PAP Adv Quant Reasoning AP Statistics AP Calculus AB AP Calculus BC Engineering Math AP Computer Science	Chemistry Chemistry PAP Physics AP Physics 2 Aquatic Science Environmental Systems AP Biology AP Chemistry AP Physics 2 AP Environmental Sci Anatomy & Physiology Med Micro/Patho Forensic Science Aeroscience	U.S. History AP U.S. History Dual Credit U.S. History	5085. Animation	5085. Animation	Soccer	Watch for prerequisites
10th Grade	English 2 English 2 PAP	Geometry Geometry PAP Math Models Math Apps in Ag Algebra 2 Algebra 2 PAP	Biology Biology PAP IPC Chemistry Chemistry PAP Physics Ap Physics 1	World History AP World History	5041. Digital and Interactive Media	Language II	Soccer	Watch for prerequisites
9th Grade	English 1 English 1 PAP	Algebra 1 Algebra 1 PAP Geometry Geometry PAP	Biology Biology PAP IPC	World Geography World Geography PAP AP Human Geography	2010. Art I	Language I	Soccer	<b>Other Requirements</b> Language 1 Language 2 PE/Athletics
8th Grade		Algebra 1 PAP				Spanish I	Art I	

Career Goal: \_\_\_\_\_

Signature: \_\_\_\_\_



# STEM: POSSIBLE CAREERS

## ENGINEERING & TECHNOLOGY

- AEROSPACE ENGINEERS
- AGRICULTURAL ENGINEERS
- CHEMICAL ENGINEERS
- COMPUTER HARDWARE ENGINEERS
- ENVIRONMENTAL ENGINEERS
- FIRE-PREVENTION ENGINEERS
- MAPPING TECHNICIANS
- NANOTECHNOLOGY ENGINEERING
- ROBOTICS ENGINEERING

## SCIENCE & MATHEMATICS

- AGRICULTURAL & FOOD SCIENCE TECHNICIANS
- ATMOSPHERIC & SPACE SCIENTISTS
- BIostatisticians
- CHEMICAL TECHNICIANS
- COMPUTER PROGRAMMERS
- GENETICISTS
- INDUSTRIAL ECOLOGISTS
- NATURAL SCIENCES MANAGERS
- WATER RESOURCE SPECIALISTS
- STATISTICIANS
- ZOOLOGISTS AND WILDLIFE BIOLOGISTS

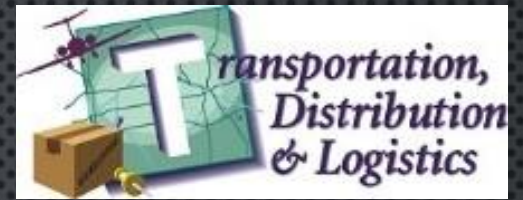
# ENDORSEMENT: SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

- ROBOTICS
- AEROSCIENCE (ROCKETS)
- SCIENCE
- MATH



# BUSINESS & INDUSTRY: POSSIBLE CAREERS

- ARCHITECTURE & CONSTRUCTION
  - ARCHITECTURAL DRAFTERS
  - LANDSCAPE ARCHITECTS
  - SURVEYORS
- BUSINESS MANAGEMENT & ADMINISTRATION, FINANCE, MARKETING, SALES & SERVICE
  - ADVERTISING & PROMOTIONS MANAGER
  - BUDGET ANALYSTS
  - ENERGY AUDITORS
  - NATURAL SCIENCE MANAGERS
  - FINANCIAL ANALYSTS
  - FINANCIAL MANAGERS
  - MARKET RESEARCH ANALYSTS
  - MARKETING MANAGERS
  - SALES REPRESENTATIVES
- ARTS & AUDIO/VIDEO TECHNOLOGY
  - AUDIO & VIDEO EQUIPMENT TECHNICIAN
  - BROADCAST TECHNICIAN
  - FILM & VIDEO EDITORS
  - GRAPHIC DESIGNERS
  - MEDIA & COMMUNICATION WORKERS
  - SOUND ENGINEERING TECHNICIANS
- HOSPITALITY & TOURISM
  - FOOD SERVICE MANAGERS
  - MEETING, CONVENTION & EVENT PLANNERS
  - TRAVEL AGENTS/GUIDES
  - CHEFS & HEAD COOKS



# BUSINESS & INDUSTRY: POSSIBLE CAREERS

## INFORMATION TECHNOLOGY

- COMPUTER SYSTEMS ANALYSTS
- COMPUTER USER SUPPORT SPECIALISTS
- INFORMATION TECHNOLOGY PROJECT MANAGERS
- SOFTWARE DEVELOPERS
- COMPUTER PROGRAMMER
- VIDEO GAME DESIGNER

## MANUFACTURING

- ENGINEERING TECHNICIANS
- MACHINISTS
- METAL WORKER
- WELDING

## TRANSPORTATION, DISTRIBUTION & LOGISTICS

- AIRCRAFT MECHANICS
- AUTOMOTIVE BODY & SERVICE TECHNICIAN
- LOGISTICS MANAGER
- STORAGE & DISTRIBUTION MANAGER
- TRANSPORTATION MANAGER

## ENDORSEMENT: BUSINESS & INDUSTRY

- VIDEO PRODUCTION
- RADIO BROADCASTING
- GRAPHIC DESIGN AND ILLUSTRATION
- ANIMATION
- CULINARY ARTS
- INFORMATION TECHNOLOGY
- WELDING
- MANUFACTURING
- AIRCRAFT MAINTENANCE
- AUTOMOTIVE TECHNOLOGY
- JOURNALISM
- DEBATE



# PUBLIC SERVICES: POSSIBLE CAREERS

## LAW, PUBLIC SAFETY, CORRECTION & SECURITY

- CORRECTIONAL OFFICERS & JAILERS
- PROBATION OFFICERS
- PARAMEDICS
- FIRE INSPECTORS
- FIREFIGHTERS
- RETAIL LOSS PREVENTION SPECIALIST
- LAWYER
- CRIMINAL INVESTIGATOR

## HUMAN SERVICES

- CUSTOMER SERVICE REPRESENTATIVES
- SALES MANAGER
- COUNSELING
- RECREATION WORKERS
- SOCIAL WORKERS
- COSMETOLOGY



# PUBLIC SERVICES: POSSIBLE CAREERS

## HEALTH SCIENCE

- MEDICAL SCIENTISTS
- HEALTHCARE PRACTITIONER
- RADIOLOGIC TECHNICIAN
- SURGICAL TECHNOLOGISTS
- REHABILITATION COUNSELORS

## EDUCATION & TRAINING

- COACHES & SCOUTS
- DAYCARE PROVIDER/DIRECTOR
- FITNESS & WELLNESS COORDINATORS
- LIBRARIANS
- SCHOOL COUNSELOR
- SOCIAL WORKER
- TEACHERS



## ENDORSEMENT: PUBLIC SERVICE

- EDUCATION AND TRAINING
- LAW ENFORCEMENT
- COURT SYSTEMS
- JROTC
- PRACTICUM OF HEALTH SCIENCE
- PHARM TECHNOLOGY
- EMERGENCY MEDICAL TECHNICIAN (EMT)
- EKG & PHLEBOTOMY
- CERTIFIED NURSING ASSISTANT & PHLEBOTOMY
- FIRE FIGHTER
- SPORTS MEDICINE
- COSMETOLOGY

# ARTS & HUMANITIES: POSSIBLE CAREERS

## PERFORMING ARTS

- ACTING
- CHOREOGRAPHERS
- DIRECTORS
- MUSICIAN
- SET & EXHIBIT DESIGNERS
- WRITERS & AUTHORS

## VISUAL ARTS

- ART DIRECTORS
- FASHION DESIGNERS
- GRAPHIC DESIGNERS
- PHOTOGRAPHERS

## SOCIAL STUDIES

- ARCHEOLOGY
- POLITICAL SCIENTISTS
- INTERNATIONAL RELATIONS
- LEGISLATORS

## WORLD LANGUAGES

- TRANSLATOR
- INTERPRETER
- LINGUIST

# ENDORSEMENT: ARTS & HUMANITIES

- SOCIAL STUDIES
- WORLD LANGUAGE
- DANCE
- CHOIR
- BAND
- ART
- THEATER

# ENDORSEMENT: MULTIDISCIPLINARY

- AGRICULTURE, FOOD, & NATURAL RESOURCES
- BUSINESS, MANAGEMENT & ADMINISTRATION
- ACCOUNTING
- MARKETING
- ARCHITECTURE & CONSTRUCTION
- 4x4