



Career & Technical Education



2021 - 2022

Middle School Course Guide

Your Future Starts Here.

It is the policy of the Judson Independent School District not to discriminate on the basis of age, race, religion, color, national origin, sex or handicap in its programs, services, or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

JISD y su Programa Educacional de Carrera y Tecnologia no discriminan en base a sexo, discapacidad, raza, color, edad u origen nacional en sus programas educativos, actividades, o empleo como lo requiere el Titulo IX, Seccion 504 y Titulo VI

CAREER & TECHNICAL EDUCATION (CTE)



Career Transfer Program

An 8th grade student may apply to transfer to another high school within the district in order to pursue a high school career program of study not offered at their home school. Deadline to apply is Friday, Feb. 19, 2021.

https://docs.google.com/forms/d/1yVvyPS5WZZoE1hcdh_3uff4mNEgA3XOGpTb117Ry1Ug/edit

- Transfer applications will be accepted on a space-available basis and approved by the principal.
- Transportation by JISD is provided from the home campus when choosing to transfer to a different school other than your regular zoned, home campus.

In order to continue transfer status throughout high school, students must maintain the following expectations. Termination of the transfer will be at the discretion of the building principal.

- Passing grades in all coursework (per quarter).
- Good attendance (minimum 90%) and punctuality without excessive unexcused absences or tardies.
- Acceptable conduct as outlined in the Student Code of Conduct (review quarterly to include ISS/OSS/DAEP placements).
- Continuous enrollment in their four-year Career & Technical Education program of study.

Note: Visit with their school counselor to discuss the process, deadlines, and any other questions you may have to ensure you have all the information needed to make an informed decision about the Career Transfer Program.

Career and Technical Education 2021-2022 Middle School	
COURSES	
6th Grade	Investigating Careers
7th Grade	College & Career Readiness <i>(required)</i>
6th or 7th Grade	Technology Applications I
7th or 8th Grade	Technology Applications II
ENDORSEMENT	
8TH GRADE OPTIONS	
BUSINESS & INDUSTRY	Digital Media
	Principles of Agriculture, Food and Natural Science
	Principles of Arts, Audio/Video Tech & Communications
	Principles of Business, Marketing & Finance
	Principles of Construction
	Principles of Hospitality
	Principles of Manufacturing
LAW & PUBLIC SERVICE	Principles of Law, Public Safety, Corrections and Security
	Principles of Human Services
SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS (STEM)	Principles of Applied Engineering
	Fundamentals of Computer Science
	PLTW Gateway 1
	PLTW Gateway 2

High School Credit Courses available for 8th Graders
Information/Requirements

- Students who successfully complete a high school course in middle school with a 70 or better will receive a credit towards high school graduation. Each semester grade and credit earned will be recorded on the high school transcript and will be included in the student's high school grade point average and class rank.
- 90% attendance is required with acceptable conduct as outlined in the Student Code of Conduct.
- If a student fails the state assessments and/or are at risk of failing a course, they could lose an elective(s) and participate in a mandatory academic recovery program. Every effort will be made to avoid pulling the student from their CTE high school credit course; however, if this becomes necessary, the student will NOT earn the high school credit.

College and Career Readiness (*Required*) – (7th or 8th grade) Half Year

PEIMS 12700300

JISD Course #MT100

This course introduces students to the career development process—it is unique to every student and evolves throughout their life. Students will use decision-making and problem-solving skills for college and career planning. Students will explore valid, reliable educational and career information to learn more about themselves and their interests and abilities. This course is designed to guide students through the process of investigation and in the development of a college and career achievement plan. Students will use interest inventory software and/or other tools to explore areas of personal interest. Students will use this information to explore educational requirements for a variety of chosen career paths.

- *All campuses*



Investigating Careers (6th grade) – Half Year

PEIMS 12700400

JISD Course #MT102

The goal of this course is to create a foundation for success in high school, future studies, and careers in the areas of as Science, Technology, Engineering, and Mathematics; Business and Industry; Public Service; Arts and Humanities; and Multidisciplinary Studies. The students research labor market information, learn job-seeking skills, and create documents required for employment. Career and technical education instruction provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions.

- *All campuses (optional)*



Technology Applications (6th) - Half Year

PEIMS 02670060

JISD Course #MT900

Through the study of technology applications, students make informed decisions by understanding current and emerging technologies, including technology systems, appropriate digital tools, and personal learning networks. As competent researchers and responsible digital citizens, students use creative and computational thinking to solve problems while developing career and college readiness skills. Students will focus on exploring and using digital tools that enhance creativity, communication, collaboration, and critical thinking.

- *All campuses*

Technology Applications (7th) - Half Year

PEIMS 03580100

JISD Course # MT902 (first time taken)

JISD Course # MT902Y (Advanced) Prerequisite: Tech Apps 6th grade

Through the study of technology applications, students make informed decisions by understanding, creating, current and emerging technologies, including technology systems, appropriate digital tools, and personal learning networks. As competent researchers and responsible digital citizens, students use creative and computational thinking to solve problems while developing career and college readiness skills.

Students will focus on identifying and analyzing appropriate digital tools that enhance creativity, communication, collaboration, and critical thinking.

- *All campuses*

Technology Applications (8th grade) - Half Year

PEIMS 03580120

JISD Course # MT903

JISD Course # MT903Y (Advanced) Prerequisite: Tech Apps 7th grade.

Through the study of technology applications, students make informed decisions by understanding, creating, current and emerging technologies, including technology systems, appropriate digital tools, and personal learning networks. As competent researchers and responsible digital citizens, students use creative and computational thinking to solve problems while developing career and college readiness skills. Students will focus on planning, implementing, and managing projects while using digital tools that enhance creativity, communication, collaboration, and critical thinking.

- *All campuses*



High School Credit Courses

Business & Industry Endorsement

Digital Media (8th grade) - Yearlong (1 HS credit)

PEIMS 13027800

JISD Course #MT328

In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and critical thinking skills and apply them to the IT environment.

- *Kitty Hawk Middle School*



Principles of Agriculture,

Food & Natural Resources (8th grade) – Yearlong (1 HS credit)

PEIMS 13000200

JISD Course #MT101

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. To prepare for success, students need opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

- *Judson Middle School*
- *Membership dues for FFA*



Principles of Arts, Audio/Video

Technology and Communications (8th grade) – Yearlong (1 HS credit)

PEIMS 13008200

JISD Course #MT330

In this course, students will to be exposed to the arts, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

- *Judson Middle School, Woodlake Hills Middle School*
- *Membership dues for SKILLS USA*



Principles of Business, Marketing, and Finance (8th grade) - Yearlong (1 HS credit)

PEIMS 13011200

JISD Course #MT200

In this course, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

- *Woodlake Hills Middle School*
- *Membership dues for DECA*



Principles of Construction (8th grade) – Yearlong (1 HS credit)

PEIMS 13004220

JISD Course #MT710

This course is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, limiting course enrollment to **15 students is recommended**. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment. Career Safe OSHA training is offered to students.

- *Kirby Middle School*
- *Membership dues for Skills USA*



Principles of Hospitality (8th grade) – Yearlong (1 HS credit)

PEIMS 13022200

JISD Course #MT550

This course introduces students to an industry that encompasses lodging, travel and tourism, recreation, amusements, attractions, and food/beverage operations. Students learn knowledge and skills focusing on communication, time management, and customer service that meets industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success in that industry.

- ***Kirby Middle School, Metzger Middle School***
- ***Membership dues for FCCLA are \$20.***



Principles of Manufacturing (8th grade) – Yearlong (1 HS credit)

PEIMS 13032200

JISD Course #MT711

Students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems, and how those knowledge and skills apply to manufacturing within a lab-based environment. Students will have opportunity to create, design and build projects in a lab-based environment using knowledge and skills critical in the Manufacturing, Transportation and Trade & Industrial careers. Career Safe OSHA training is offered to students.

- ***Kirby Middle School only***
- ***Membership dues for Skills USA.***



Public Service Endorsement

Principles of Human Services (8th grade) – Yearlong (1 HS credit)

PEIMS 13024200

JISD Course #MT500

This lab-based course will enable students to investigate careers in human services, culinary, health, education, and business. Students will learn skills in counseling and mental health, early childhood development, family and community, and personal care services. Additionally, students will enhance their skills in consumer economics, family relationships and self-esteem, child development and care, dietary needs throughout the lifespan, and clothing selection and maintenance.

- ***All campuses***
- ***Membership dues for FCCLA.***



Principles of Law Public Safety, Corrections and Security (8th grade) – Yearlong (1 HS credit)

PEIMS 13029200

JISD Course #MT489

This course introduces students to professions in law enforcement, protective services, corrections, firefighting, and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, protective services, and corrections.

- ***Kitty Hawk Middle School, Metzger Middle School***
- ***Membership dues for Skills USA***



STEM Endorsement

Principles of Applied Engineering (8th grade) – Yearlong (1 HS credit)

PEIMS 13036200

JISD Course #MT901

This course provides an overview of the various fields of Science, Technology, Engineering, and Mathematics (STEM) and their interrelationships. Students will use a variety of computer hardware, software applications, and lab-based environments to complete assignments and projects. Students will use multiple software applications to prepare and present course assignments and projects. Further, students will work on a design team to develop a product or system; the class will be divided between classroom and lab.

- *Kirby, Metzger Middle School, Metzger Middle School*
- *Membership dues for SKILLS USA*



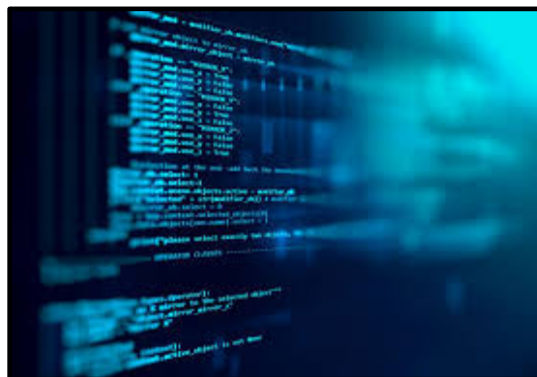
Fundamentals of Computer Science (8th grade)- Yearlong (1 HS Credit)

PEIMS 03580140

JISD Course #MT909

This full-year course covers the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn digital citizenship by researching current laws and regulations, and by practicing integrity and respect.

- *Kitty Hawk Middle School, Kirby Middle School*





These are unique Project Lead the Way (PLTW) courses that engage students in hands-on learning, and collaborative problem solving focused on real-world challenges. Each grade level will focus on different courses which provide rigorous, highly technical and enhanced curriculum that will result in inspiring creativity, critical and analytical thinking. *Note: Each middle school campus will decide which PLTW courses will be offered.*

Gateway Courses

Gateway to Technology 1: (7th and 8th grade) – Yearlong (1 HS credit)

PEIMS N1303756

JISD Course #MT930 (.5) fall (local credit), paired with MT930GT (.5) spring credit

Schools	PLTW Fall Course MT930	PLTW Spring Course MT930GT
Judson Middle School	Medical Detectives	App Creators
Kirby Middle School	Design & Modeling	Green Architecture
Kitty Hawk Middle School	Design & Modeling	Medical Detectives
Metzger Middle School	Design & Modeling	Green Architecture
Woodlake Hills Middle School	Design & Modeling	Medical Detectives

Gateway to Technology 2: (7th and 8th grade) – Yearlong (1 HS credit)

PEIMS N1303757

JISD Course #MT931 (.5) fall (local credit), paired with MT931GT (.5) spring credit

Schools	PLTW Fall Course	PLTW Spring Course
Judson Middle School	Magic of Electrons	Energy and the Environment
Kirby Middle School	Medical Detectives	Robotics and Automation
Kitty Hawk Middle School	Computer Science for Innovators and Makers	App Creators
Metzger Middle School	App Creators	Robotics and Automation
Woodlake Hills Middle School	N/A	N/A

Special Note:

The Judson Independent School District Course Catalog is intended to assist students and parents/guardians in the course selection process. The finality of the contents of this catalog is contingent upon the decisions and actions taken by Texas Education Agency, the State Board of Education and the Texas Legislature. Any change, update or modification will be appropriately communicated.