

HAMILTON

H I G H S C H O O L

***Career and Technical Education
Course Guide: 2021-2022***

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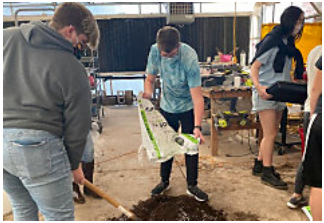
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Ideas To Grow With

Agriculture Science

This course focuses on plant sciences, specifically with plant production in the greenhouse. Units include plant growth and development, hydroponics, propagation, nutrition, pests, greenhouse management, landscape plant identification, design and installation of irrigation systems, and equipment maintenance.



Students Gardening in the greenhouse.



Students dissecting a female pig's uterus.



Students participate in FFA (Future Farmers of America), they also develop skills for leadership and career success. Completion of Agriscience 1 and 2 will provide one credit of laboratory science for Universities.



Tyler Magnusson, 10.
"My favorite part about this class is the dissection and it is a very laid back class."



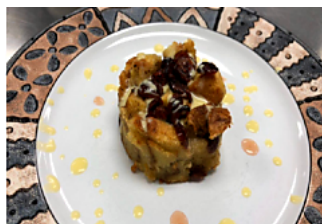
Kaylee Licano, 09.
"My favorite part about this class is getting to learn about the plants and dissection to learn more about animals."

This class offers the opportunity to get to work hands-on with plants and animals.

MASTERED MEALS

CULINARY

Culinary is an interactive, fun experience that anyone is able to participate in. In this class you are able to learn all about food and different dishes to cook. You are able to cook along side your peers while using your creativity and applying new learned skills.



Camden Haggard 11, said he would recommend this class because it is a fun class and he likes to learn how to cook.



Brennan McLaughlin 11, said he recommends this class because you get to eat good food.

If you have a passion for food or even just love being creative and being able to create something from scratch right in front of your eyes then this class is for you.



Play, Learn, Grow!

EARLY CHILDHOOD DEVELOPMENT

Early childhood development is a very educational class that focuses on the development of children from birth to the age of 8. This class also offers dual credit for a social behavioral science.



Some students can earn gold awards at the FCCLA state conference if their speech on early childhood development is exceptional.

The students took a field trip to the FCCLA (Family, Career and Community Leaders of America) fall leadership conference in Downtown Phoenix.

This class is able to give you knowledge and experience about children, with this knowledge it will prepare you to work with kids or even have your own someday in the future.



Ella Schmitz 12, says she likes being in Early Childhood Development because she wants to go into elementary school education

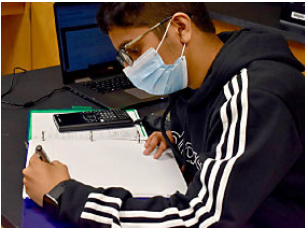


Nicole Kalivoda 9, recommends this class because she likes learning about the way kids minds work and interactions.

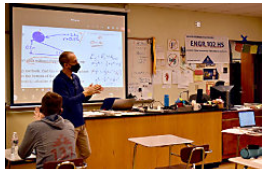
Finding Real Life Solutions

ENGINEERING

In this pre-engineering course, students use a problem solving model to improve existing products and invent new ones. They learn how to apply this model to learn how to solve problems in and out of the classroom. Using sophisticated 3-dimensional modeling software, students communicate the details of products.



Students are able to earn college credits for the University of Arizona. Industry certification may be offered in this course.



In this class, the students use their calculus, physics, and problem-solving skills to learn about any different types of engineering. They find solutions to attack special problems and do lots of exercises.

In computer science, students study software development, basic programming, data structures, and more. It teaches you many skills, like critical thinking, that students can use later on in life.

COMPUTER SCIENCE



Micheal Chen, 12.
"I am interested in stem fields, and felt like taking this class gives me experience and background on engineering. I can also earn college credits for UofA."



Amanda Wong, 12.
"I love hands on creative thinking, and this class provides a better insight to the field that will benefit me in my college career."

Edit & Design

Graphics

Graphic Design is a year-long, project-based course that develops career and communication skills in the design and production of graphic media. Graphics is an abstract based class for all graphics contexts that allow an application to draw onto components that are realized on various devices, as well as onto off-screen images.



Graphic Design participates in Skills USA, a club that works with industry to ensure America has a skilled work force. Helping students excel at their craft.

Graphic Design participates in various competitions throughout the year. This program designs promotional material for several school programs and athletics.

Graphic Design is a project-based course that develops career and communication skills in the design and production of graphic media. While being done virtually students will develop a deeper understanding of Instruction.



Madison Cringer, 11
"I take graphic design because I want to go to an art school and it benefits my future plan."



Ryan Potts, 12
"I was inspired to take graphic design because it is interesting and helps with my future career path."



Get down to business

Marketing

This is a second-level business course for students who want to start, organize and operate a small business enterprise. Students evaluate the role and risks of a small business plan, and develop a product/ service idea to compete in the annual Business Fair. Through real life project-based activities, students will learn many core business and skills.



Marketing participates in the business fair every year, where they show off their business plans and the product or service they created.

Core principles learned include, accounting, economics, entrepreneurship, ethics, finance, business law, marketing, and advertising. Skills learned and enhanced include, teamwork, problem solving, decision-making, customer service, oral and written communications, and technology

This class can teach you all about business and what you will have in store for you when opening your own business and starting something new.

CTE



Carter Lewis, 12
"I want to major in business in college, so I wanted to get a head start."



Milan Patel, 12
"I took marketing so that I can learn how to open my own business."



CAPTURE & RECORD

Multi Media

This is an exciting hands-on program that provides the student with the fundamental concepts of video production. Students learn how to operate digital video cameras, video mixers, audio mixers and other studio equipment. Students will film on and off campus to complete assignments and projects.



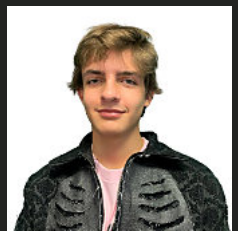
Students attend Local TV News Stations as a part of their field trips.



Students have won Emmy Awards for content and sports videos, and won earned first place at the CUSD Film Festival.



Aiden Goehring, 11
"I took media because my cousins own their own film company and it inspired me to get into it."



Nolen Coley, 11
"I was inspired to take multi media because I enjoy this call and filming for football."

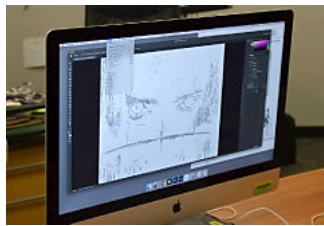


Skills
USA aka
Film Club-
Students learn
about different styles
of Film genres while learning
about production, directing, and
producing. They learn how to create
content such as commercials, Public
Service Announcements, and a TV Newscast.
They will also learn a how to Anchor and report
News/Sports. **Lights, Camera, Action**

We Capture It All

Photography

A year long course instructing the fundamentals of digital photo imaging. Areas to be covered will include computers and software, digital cameras, image capture, composition, digital input, editing and manipulation, output, archiving, print making and finishing.

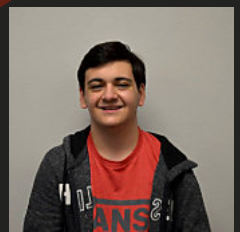


As class goes on during covid, they have not taken any field trips but they take pictures of family vacations and other trips.

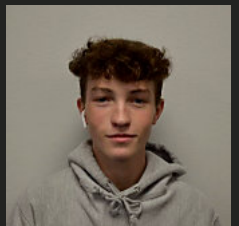
Photography is a class for students that enjoy taking pictures of the wilderness and the daily life of a high school student

Digital photo imaging is, at once, an art and a science that makes available to the dedicated student a venue to express an artistic and/or commercial vision. The goals and objectives of this course of study offer the student an opportunity for creative expression as well as career exploration opportunities.

CTE



Connor Riordan, 11
"I love photography because it allows me to express my emotions through photos"



Derek Eudey, 11
"Photography relaxes me"



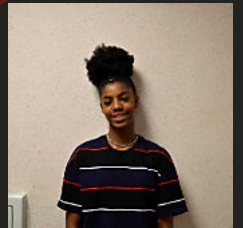
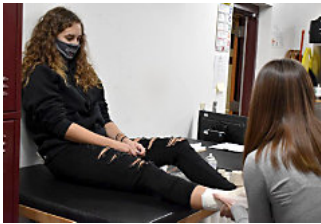
Prevention and Treatment

Sports Med

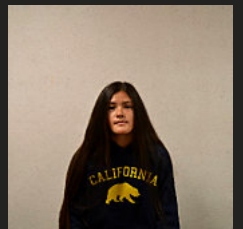
Sports Med allows students to follow their dream of helping people in need or in pain. This class also teaches students how to take care of people in need.



Learning about the human body and how to react to and prevent injuries is a crucial thing to know.



Jayla McDonnell, 10
"My favorite thing is how we get to watch sports videos"



Olivia Stephens, 10
"My favorite thing is when we get to help peoples injuries"

In Sports Medicine you learn about all kinds of injuries and ways to treat them. You also learn medical terminology, get CPR certified, and learn about situations that apply to real life issues in sports.



Behind the Scenes

Technical Theatre

Technical Theatre gives you the experience of the action behind the curtain. In this class you will learn the hard work that goes in to putting on a performance. From building sets to creating stylish costumes you will learn the technical aspects of theatre.



In the image above you can see the detailed set students in technical theatre created. Also the stunning costumes they put together.



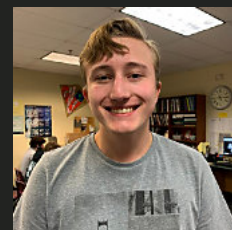
Technical Theatre includes a Drama Club where students can have a better hands on experience.

This hands on class will teach students the fundamentals of theatre production. Students will acquire skills in theatrical make-up, audio engineering, production management, and etc. Technical theatre will allow students to have creative freedom and express their own ideas.

CTE



"You should join tech theatre because it's a fun extra curricular with a great community of people that teaches many skills"
Arabella Hammerich, 12



"It teaches you good work ethic and timeliness. It also allows you to work closely with other students and form strong friendships"
Rylan Cox, 12

