

Elective Class Guide

Rising 8th Grade

CAREER & TECHNICAL EDUCATION (CTE)

Medical Detectives

In Medical Detectives, students learn to diagnose diseases by analyzing medical data. They work on hands-on projects like measuring & interpreting vital signs, studying infectious disease, testing the effectiveness of antibiotics on bacteria, & dissecting a sheep brain.

Students explore how the body's breakdown leads to dysfunction and see how healthcare professionals identify, treat, and prevent illness.

Computer Science Discoveries III

Unit 5: Data and Society

- Leverage computer data processing to solve problems.
- Master challenges and tradeoffs between different systems.
- Expedite processing via automated data collections.
- Design your own automated solution.

Unit 6: Physical Computing

- Develop prototype smart device programs.
- Code sensor input to hardware platform output.
- Design your own circuit playground innovation.

Exploring Business Activities

Core Business Concepts - We start by reviewing core business concepts - team building, economics, marketing, ethics, finance, accounting, and management. This is a refresher for those who took Entrepreneurship in grade 7 and introduces concepts to those who did not. Emphasis is on how to apply key tools in business. We even play with macaroni and marshmallows to practice teamwork and learn about assumptions!

Life of the Entrepreneur - Students will look at the personal sacrifices and character traits of young entrepreneurs. We will watch and reflect on an outstanding documentary - *Generation Startup*. It follows the lives of several young entrepreneurs in Detroit. Key themes include finding out who you are, and that failure is an important part of the entrepreneurial journey.

Marketing Analysis - A key component in launching a business is solid marketing analysis. Students learn how to identify, size, and reach a lucrative target market. They will do competitive analysis aka Strengths, Weaknesses, Opportunities, and Threats (SWOT) to evaluate viability among competitors.

Shark Tank - Students work in teams to develop a detailed business plan for a new product. This will include a product description, values to include in the new organization, a financial forecast, organizational structure, and more! They will present to outside business "investors" in our Shark Tank capstone event.

Exploring Careers & Employment

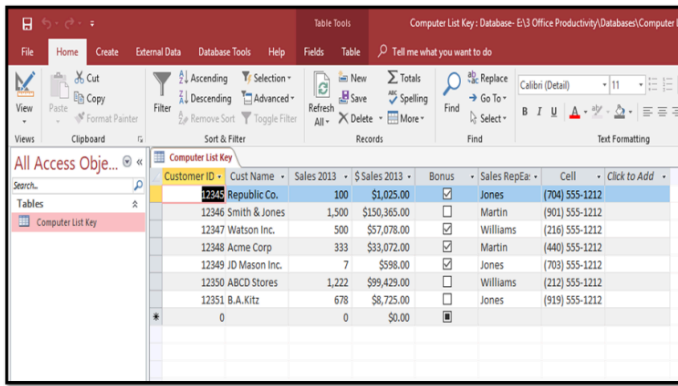
Understand the world of work and skills needed for employment success.

- *Understand the world of work and how the world of work changes.*
- *Understand skills needed for employment success.*

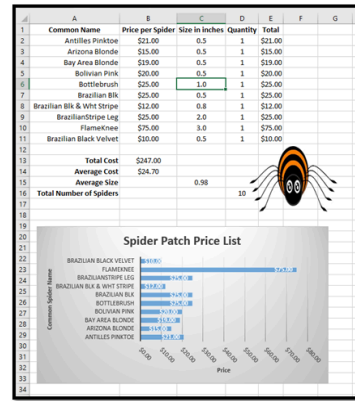
Understand job search techniques.

- *Understand where to seek employment.*
- *Understand how to apply, interview, and make a career plan for employment.*

Office Productivity Applications



Beginning Databases



Advanced Spreadsheets & Charts



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Desktop Publisher Products

ARTS

Art

During this course students will focus on art techniques, procedures and art history. They will create 2-Dimensional and 3-Dimensional art while learning about the Elements of Art and Principles of Design.

Dance

- Elements of Dance/Video Production Project
- Hip-Hop
- 20th Century Social Dance

Drama

- Playwriting
- Improvisation
- Theatre History
- Script Analysis
- Acting Methods and Techniques
- Theatre Jobs

Beginning Chorus

- Sing in other languages
- Learn about different cultures & styles of music
- How to read & Write music
- Improve your singing voice
- Understand how music connects to real life

Musical Theatre

- Enhanced performance & vocal skills
- Movement, basic dance moves, blocking
- Character creation, props, costumes, scenes
- Perform modern musicals
- Perform in small groups and ensembles

There will be a mandatory after-school performance that will require two evenings after school.

Guitar 1 (Beginning Acoustic)

In beginning Guitar Class, you will learn the following

- The anatomy of a Guitar
- How to Tune your guitar
- Chord Shapes
- How to read Music
- Basic Music Theory
- **STUDENTS MUST HAVE ACCESS TO THEIR OWN GUITAR**

You will also have a midterm project and a final project where you perform a song or parts of a song in class

Guitar 2

In beginning Guitar 2 Students will build upon skills learned in Guitar I. In this class students will

- Learn Scales
- Learn how to play Solos
- How to read Tablature Notation
- Guitar Riffs
- Advanced Techniques to embellish melodies
- **STUDENTS MUST HAVE ACCESS TO THEIR OWN GUITAR**

You will also have a midterm project and a final project where you perform a song or parts of a song in class

Band – YEARLONG

In 8th Grade Band you will do the following.

- Continue building upon the skills learned in 6th and 7th Grade Band
- Expand your playing range (be able to play higher and lower on your instrument)
- Play more advanced Concert Band Literature
- Perform a **MINIMUM** of two concerts (may be subject to more)

8th Graders also have the opportunity to participate in Bailey Performing Band and Jazz Band (**MUST BE IN BAND CLASS**)

Orchestra – YEARLONG

In 7th grade orchestra we build upon skills from 6th grade such as:

- Shifting
- Vibrato

We also go on fieldtrips such as MPA and Carowinds! **Please note you must have been in orchestra in the 6th grade to register for this class.**

GENERAL ELECTIVES

Middle School Spanish

This one semester introductory course provides students with an understanding of the culture and the phonology of the Spanish language, and equips them with the language tools, vocabulary, expressions and concepts essential to carrying out basic day-to-day conversations with speakers of the language.

- Students engage in building their abilities to listen to, speak, read, interpret, and write in Spanish.
- The class emphasizes functional language in Spanish.
- We sing, play games, watch videos and engage in a variety of pair and teamwork.

*** This course covers the same material as Exploratory Spanish offered in 6th grade and should not be taken by students who had that course already.**

Spanish I – Part B (High School Credit) – YEARLONG

Unit 3: “Chillin”

- Leisure Activities
- Likes and Dislikes (Gustar with nouns & verbs)
- Plans/Activities for the immediate future
- Verb Conjugations – Regular, Irregular, Reflexive and Stem Changing verbs
- Adverbs of frequency and varied expressions of time
- Places in the Neighborhood
- Location – (Estar + Prepositions of place)
- Giving & Following Directions

Unit 4: “Getting Around”

- Events, Occasions and Clothes
- Extending, Accepting & declining invitations with an explanation/reason
- Leisure activities based on the weather
- Sports
- Weather, Seasons and Temperature
- Cultural Comparisons
- Verbs that have the same meaning but different uses (ser/estar & saber/conocer)
- Abilities (poder)

Journalism – Video Production III

We will use the skills learned in Video Production I and Video Production II and take them to a whole other level.

Students will be taught to create high quality, highly skilled, and masterfully edited Youtube videos that can be used in hundreds of different applications for today’s technology-driven world.

- Movies
- Music
- Social Media
- Photo and Video Broadcasting
- YouTube
- Influencer and Entrepreneurship
- Website and Online Application
- etc.