

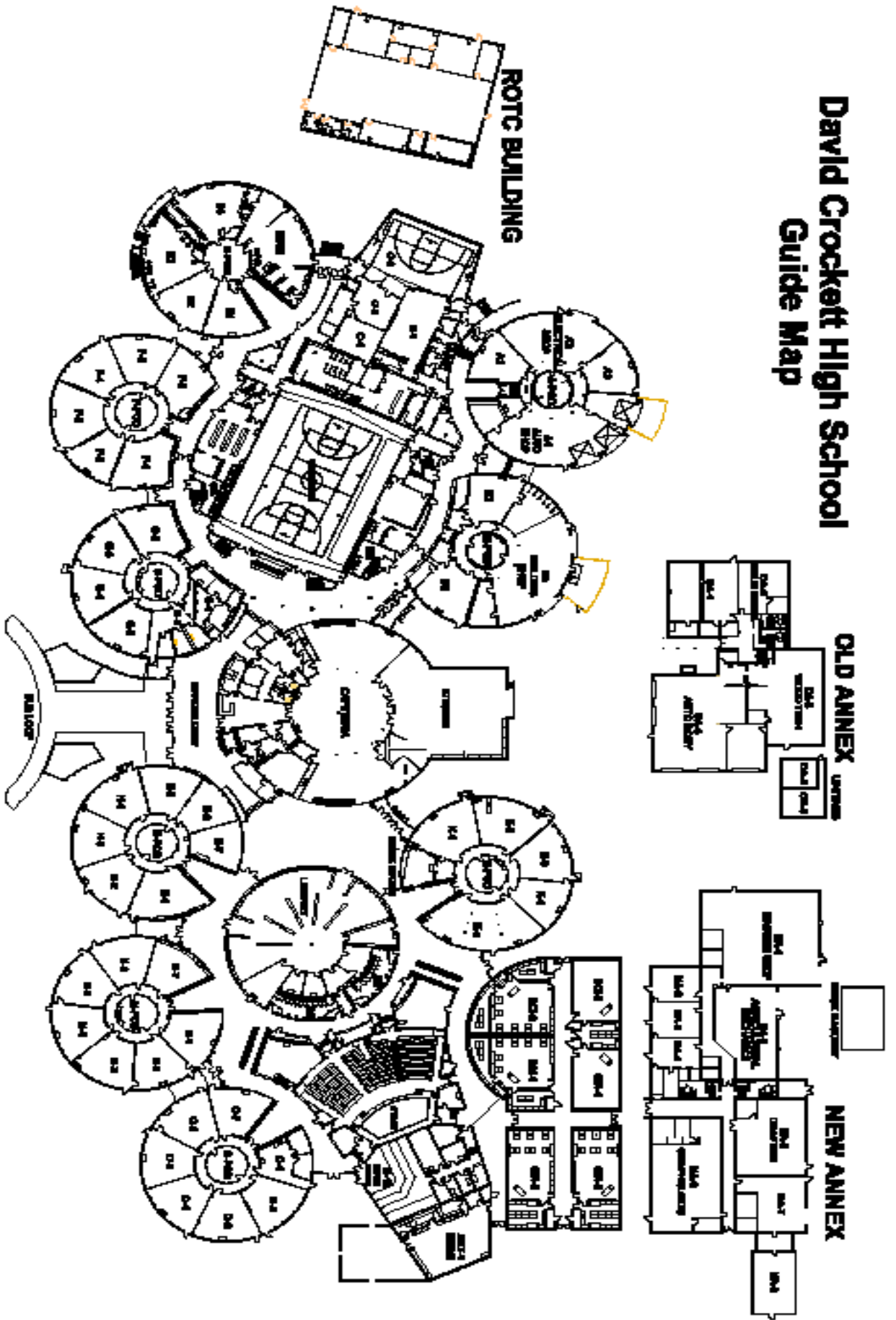
# 2018 PIONEER INVOLVEMENT HANDBOOK Parents and Students

A Guidebook for SUCCESS at David Crockett High School

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# David Crockett High School Guide Map



## The High School Transition

The four high school years are an important transition time. Students transition from elementary school to high school with increasing independence and responsibility. The coursework and preparation is more demanding each year to meet Tennessee graduation requirements. College and work force opportunities after high school demand greater education and training.

During the high school transition continue to be involved in your student's education. They need your help making good choices and decisions academically and socially. Please communicate with your child's teachers, insist on good attendance and encourage involvement in school activities.

David Crockett faculty and staff are here to help you and your student. Our goal is to have successful and satisfied students. Your student's School Counselor will be happy to communicate with you and your student at any time.

Transition is exciting! Keep all lines of communication open.

Enjoy the quick four years that high school brings.

## Ways to Work with the School for Student Success

- **Support David Crockett** - Make sure your child knows education is the priority and that you support the teachers and administrators at DCHS. Ask about classes, grades, projects and set high expectations for their performance. Attend programs and events at the school.
- **Insist that your child be in school and on time, every day.**
- **Make the most of parent-teacher conferences**-On the following page you will find a list of topics that might be helpful when meeting with the teacher. Teachers and parents should leave a conference feeling like a plan is in place to help with areas of concern with communication open and welcomed.
- **Communicate with the school** - Use the school website to contact your child's teachers, counselors or administrators. Don't hesitate to ask for or share information about academics, behavior or family situations. You know your child better than anyone and can help us help them.
- **Join the Pioneer Parents and Partners**-Our parent organization is very active and would love to have more parents involved. They meet in the library on the second Monday of each month at 7:00 pm.

## School Counselors

All students are assigned to a school counselor based on their last names. Mrs. Lorie McCorkle serves students A-F. Mr. Chad Plaisted serves students G-M. Mrs. Miriam Robinson serves students N-Z. The school counselor's role is varied. Counselors monitor academic progress and transcripts, talk with students about their college and career goals, help with scholarships and financial aid questions, and maintain academic records and schedules. Counselors can also help students with personal issues related to home life, relationships, or other difficult situations. Make sure your child knows where and how to find their counselor. Encourage them to use the counseling office resources often. Parents are encouraged to contact the counselor when questions or concerns arise. You may call or email your child's counselor using the following information:

Mrs. McCorkle (A-F) email: [mccorklel@wcde.org](mailto:mccorklel@wcde.org) or call 753-1163

Mr. Plaisted (G-M) email: [plaistedc@wcde.org](mailto:plaistedc@wcde.org) or call 753-1586

Mrs. Robinson (N-Z) email: [robinsonm@wcde.org](mailto:robinsonm@wcde.org) or call 753-1161

Miss Tina Bishop, Advise TN College Access Adviser, email: [bishopt@wcde.org](mailto:bishopt@wcde.org)

Additional Support - Niswonger Care Advisor

Mrs. Pam Stoots, Freshman (Interventionist) Coach, email: [stootsp@wcde.org](mailto:stootsp@wcde.org) or call 753-1150

Mrs. Leigh Anne Rowe, Graduation Coach, email: [rowela@wcde.org](mailto:rowela@wcde.org) or call 753-1150

## The Four-year High School Plan

When a student begins high school, he/she will develop what is known as a 4-year plan. It consists of a schedule or required courses that will be taken during their freshmen, sophomore, junior, and senior years and a proposed list of electives. It is a flexible plan. We know that many students change plans as they go along. The plan reflects the required courses needed to graduate as well as an "elective focus". Adjustments are made along the way based on academic success, career interests and curriculum offerings.

Parents will be involved with the building of the 4-year plan when you meet with a school counselor during the spring of the student's 8th grade year. The plan will be reviewed each year as courses are selected for the following year. Parents are strongly encouraged to stay involved in the process. Counselors are available by phone, email or appointment.

## **Topics to cover during beneficial Parent/Teacher Conferences**

**HOMEWORK:** Is homework completed in a timely manner?

**CLASS PARTICIPATION:** Does my child participate in class (ask questions, give answers, provide meaningful class discussion)?

**ORGANIZATION:** Is my child organized? Does my child come to class prepared?

**ACADEMIC SUCCESS:** Is my child doing well in this class? Is my child working to their potential? Is this class appropriate for my child?

**CLASSROOM TIME MANAGEMENT:** Is my child using their time wisely?

**ATTENDANCE AND PUNCTUALITY:** Is my child in class everyday and on time?

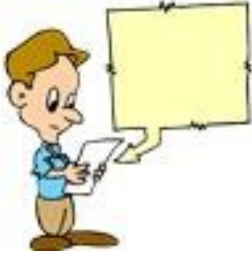
**FOCUS:** Is my child paying attention in class?

**SOCIAL ADJUSTMENT:** Is my child getting along with others well? Does my child seem respectful to teacher and classmates?

**STRENGTHS AND WEAKNESSES:** What strengths does my child show in this class?  
What does my child need to work on for this class?

**ADDITIONAL COMMENTS:** What advice or suggestions do you have for my child or myself to help them succeed in this class?





# Parent Involvement

## PowerSchool

You may sign up for PowerSchool at your child's school. This website is managed by the Washington County Board of Education. PowerSchool allows you to view your child's assignments, grades, and attendance throughout the grading period. This is a great way to see how your child is progressing in the classroom anytime.

## Pioneer Parents & Partners

The purpose of Pioneer Parents & Partners' is to actively involve parents and the community in supporting, promoting and highlighting the successes at David Crockett High School. PPP meets the second Monday of each month at 7:00 p.m. in the Library at DCHS. Visit our website [www.pioneerparentsandpartners.com](http://www.pioneerparentsandpartners.com).

## Tips for helping your student succeed in high school

- Stress importance of daily attendance at school
- Assist your students in setting and achieving academic goals
- Participate in ALL parent activities
- View all midterms and report cards
- Be Pro-Active- deal with issues before they become problems
- Provide study space and time
- Provide and encourage a healthy lifestyle
- Listen and talk with your student
- Supervise activities and jobs (Know when they are working and where they are going)
- Promote problem solving
- Encourage your student to complete homework on time
- Determine appropriate boundaries and limits
- Use appropriate rewards and consequences for behavior
- Be aware and be informed
- Provide a good role model by being one



# PARENTS...VISIT OUR WEBSITE!!!

[www.wcde.org/dchs](http://www.wcde.org/dchs)

“School Info” includes:

Calendar of Events, Campus Map, News & Announcements, Information about our staff, Bell Schedules, Board Policies, and MORE.

“Classrooms” includes:

Links to each department

Links to each classroom website and may contain:

A teacher’s classroom calendar

Listing of assignments

Contact information

Classroom policies

Mathematics department has:

Links to each section of textbooks

Section quizzes

Video tutorials

Classroom Notes

Videos of problems worked in class

Daily ACT practice problems with solutions

“Athletics” includes:

Schedules or links to schedules for each sport

Rosters

Results

“Clubs & Support Groups” includes:

Everything a student, or parent, needs to know to become an active part of our school.

“Contacts”:

Send a message to anyone on our staff.

“Library”

“School Counseling”:

Includes current activities for our school and counseling office and local colleges/ universities, scholarship opportunities and summer enrichment opportunities.

**You just have to check us out!**



# ATTENDANCE

Attendance is a key factor in student success! Students are encouraged to attend school and be on time everyday. An absence occurs when a student misses a major portion of the school day. Absences are classified as excused or unexcused. Excused absences will include:

- Personal illness
- Illness of immediate family member if reasonable (determined by principal)
- Death in family
- Extreme weather conditions
- Religious observances
- Absences excused by school nurse
- Five parental excuse days verified by a note from the parent
- Circumstances (determined by principal) create emergencies which student has no control

All missed work or tests may be made up if the student make the request immediately upon returning to school and if class time is not taken from other students. Grades from days or classes missed due to unexcused absences will be graded at 80% of the original value. When a student is absent, the following occurs:

- A phone call will be made to phone number on file for student
- A courtesy letter will be mailed to the address on file when a student has had three (3) unexcused absences
- As required by state law, any student who missed five (5) unexcused days a term, will be reported to Truancy Board
- A student who misses a total of five (5) unexcused days in the school year will be placed in an At-Risk Cohort for remainder of year

Late arrival: When a student is not in the classroom when the tardy bell rings, the student is TARDY. The student must sign in at the office and get a tardy slip to give to the classroom teacher.

Early Dismissal: Students who need to leave during school hours, will be called by the office staff at the time of their early dismissal. A student may not leave with anyone other than a parent or legal guardian, or person authorized by parent. Such person must come to the office and sign out the student.



## Study & Test Taking Skills

Students often have a hard time with the development of good study skills. They often think homework and studying are the same thing. This is not true. Studying is not something that gets “turned in” to the teacher. It is done to reinforce and enhance the information provided by the teacher and texts of the course. The most important contributing factor to studying is your child’s attitude about learning the material. They need to ask “do I want to learn this?” The old saying, “you can lead a horse to water, but you cannot make them drink,” is very appropriate in this case. Below are some general tips to improve study habits:

- Get organized-Students should have a planning calendar to organize their time and assignments due. Study time should not just happen, it should be planned.
- Treat studying like a job-When your child “clocks in” to study, they should be in a good working environment with clear work space, few distractions and all their needed materials. Time away from the work station hunting for pencils or papers allows for distraction!
- Review class notes daily-During the review, students should mark any topic they did not understand so they can address this with the teacher during the next class.
- Take notes on assigned reading materials-Notes do not just come from the teacher.

When test time is approaching, a student should feel more prepared if daily/weekly studying was done. “Cramming” won’t be necessary and the stress involved in test preparation should be lessened. Many students have test anxiety, but remind them to relax and have confidence if they have prepared. Some general test taking tips are:

- Get the needed rest the night before and eat breakfast the morning of the test.
- Read directions carefully.
- Look over the whole test then answer the ones you know first.
- Return to those you were unsure of and re-read them. Narrow your answer choices to the two best answers, if the test is multiple choice, and then choose.
- Allow time to recheck your work and scan to make sure you did not leave anything out.
- For the ACT, remember to never leave an answer blank. Guessing is advised if time is running out.

## Types of Diplomas and Graduate of Distinctions

**Honors Diploma:** Student has satisfied all graduation requirements and has met all four ACT benchmarks (English - 18, Reading - 22, Math - 22, Science - 23).

**Distinction:** Student has satisfied all graduation requirements and has a 3.0 GPA or higher and has completed at least one of the following:

- \* earn a nationally recognized industry certification
- \* participate in at least one of the Governor's Schools
- \* participate in one of the state's All State musical organizations
- \* be selected as a National Merit Finalist or Semi-finalist
- \* attain a score of 31 or higher composite on ACT
- \* attain a score of 3 or higher on at least two AP Exams
- \* earn 12 or more semester hours of post-secondary credit

**Regular Diploma:** Student has satisfied all graduation requirements.

**Occupational Diploma:** Student has satisfied all requirements of their IEP.

**Work Ethic Diploma:** The Work Ethic Diploma is a distinction for students who earn a regular diploma and a minimum of 20 points related to professional standards.

**Tri-Star Scholar:** Tri-Star is a distinction for students who earn a regular diploma and an ACT composite of 19 or higher and a capstone industry certification.

**Community Service:** A distinction for students who complete at least 10 hours of community service each semester.

## Tennessee Scholar

To be recognized as a Tennessee Scholar, students must meet eligibility requirements. These requirements include but are not limited to: "C" or 2.0 or higher GPA, all state requirements met for graduation, 4 credits in Math (other than Bridge Math), and minimum of 80 community service hours cumulative during 4 years of high school. Your counselor can give more detailed information.

# The High School Transcript

A high school transcript is a record of the student's academic achievements. On our high school transcript you will find:

- Grades and credits for each class completed, beginning with 9<sup>th</sup> grade
- Cumulative GPA
- Credits Earned

State test scores and ACT/SAT scores are kept on a separate test card that is submitted when transcript requests are made. An *official* transcript has a signature, graduation date (if not a current student), and seal to verify its authenticity. Students may request a transcript on-line through the school website. Current students may request as many transcripts as needed for college entrance, scholarship eligibility, etc at no cost. Once students have graduated, there will be a minimal charge for transcript orders. All requests are processed on-line.

Remind students that from the beginning of their freshman year, every thing "counts." All grades and credits show on the transcript and affect the overall GPA.

## Calculating a GPA

A student's GPA is an indication of how the student is doing in their course work. Because higher education programs use GPA's to determine admission and they are used for scholarship awards, a student's GPA is very important. DCHS uses a 4.0 grade scale, so to calculate the GPA: A=4, B=3, C=2, D=1 and F=0. To calculate, average the grades in each course together and divide by the number of courses. For instance, if a student has an A, 2 B's and a C that would be  $4+3+3+2=12$  quality points. Divide 12 by 4 (classes) to get a GPA of 3.0. The student will have a GPA for each semester and year, but the cumulative GPA will be all semesters and years combined. This is what is used for colleges and scholarships. The higher the grades each semester, the higher the GPA.

## Graduation Requirements

<b>English</b>	4 credits
<b>Math</b>	4 credits-Algebra I & II, Geometry and an upper level math
<b>Science</b>	3 credits-Biology, Chemistry or Physics and another lab science
<b>Social Studies/Personal Finance</b>	4 credits
<b>Foreign Language</b>	2 credits
<b>Fine Arts</b>	1 credit
<b>Wellness</b>	2 credits
<b>Elective Focus*</b>	3 credits

**Elective Focus may be in math & science, humanities, fine arts, or a Career & Technical area.  
CTE students will complete a specific Program of Study for their chosen cluster.**

**ACT Score**

**Citizenship Test satisfactorily completed**

## Credits Needed To Graduate

Graduating Class of:	Will have:	Graduation Requirement:
2019	35 credits available	29 credits
2020	36 credits available	30 credits

## High School Daily Class Schedule

Time	Activity
7:45 - 9:05	First Period
9:10 - 10:30	Second Period
10:35 - 11:20	Third Period (year long)
11:25 - 1:20	Fourth Period (includes lunch)
1:25 - 2:45	Fifth Period

## **Elective Focus Programs**

Students must have an “elective focus.” Think of this as a “major” for high school. It is designed to help students prepare for their future career goals. It is fulfilled by either completing a program of study within the Career & Technical Education departments or by completing 3 electives in a concentration area such as math & science, fine arts, humanities or Advanced Placement classes. Below is a list showing the approved CTE Programs of Study as of the 2010-2011 school year. There may be additions as new courses are added.

### **Career & Technical Education Programs of Study Available at DCHS**

Agriculture, Food, & Natural Resources

Architecture & Engineering Design

Construction

Automotive Technology

Collision Repair Technology

Technology & Communication

Business Financial Management

Engineering & Technology Education

Digital Arts

Health Science

Culinary Arts

Cosmetology

Manufacturing & Machine Technology

Marketing & Entrepreneurship

# Exams

## ACT Testing

All 11th graders will take the ACT in their Spring semester. This is a graduation requirement. The testing is administered during the school day and does count for college admission. This test is paid for by the state. Seniors also are given the opportunity to retake the ACT test during a school day in the Fall of their senior year. This test is also paid for by the state. Students who receive free or reduced lunch can receive two fee waivers to take the test on a Saturday test date during their junior or senior years.

## Pre-ACT

All 10th graders will take the PRE-ACT in their Fall semester. This test gives students a predicted ACT score and measures their progress in academic areas. It also provides information used for class placement for the junior year.

## Optional Testing

The PSAT is offered in the Fall semester and may be taken by a student in grades 9-11. Juniors with high scores may qualify for consideration as National Merit Scholars.

The ASVAB (Armed Services Vocational Aptitude Battery) is offered to juniors and seniors each Spring.

WorkKeys is given to seniors. It is a skills assessment system that helps employers select, hire, train, develop, and retain a quality workforce. The assessments measure foundational and soft skills. WorkKeys assessments measure skills that employers feel are essential to success in the workplace.

ELDA Assessment is a requirement for English Language Learners. It is an un-timed assessment. It is given in grade clusters (K-2, 3-5, 6-8, 9-12) and consists of four subtests-Listening, Reading, Writing and Speaking. The testing window for ELDA is normally during the month of March with scores returned in June.

## Test Preparation Websites

[www.march2success.com](http://www.march2success.com)

[www.collegefortn.org](http://www.collegefortn.org)

[www.number2.com](http://www.number2.com)

## Grading Scale

The grading scale for courses in Washington County Schools is as follows:

A	93-100	B	85-92	C	75-84
D	70-74	F	69 and below		

Students grade point average is calculated on a conventional 4.0 grade scale. Advanced Placement courses may include the addition of 5 points to the grades used to calculate the semester average to accommodate the state's uniform grading policy.

# **Elective Programs and Extra-Curricular Activities & Clubs**

Contact Sponsors at 753-1150

Band - Mr. Mike Smith & Mr. Jonathan McCullough

BETA Club - Mrs. Annette Boreing & Mr. Doug Harris

Future Business Leaders of America (FBLA) - Mrs. Amy Collette & Mr. Jamey Anderson

Chorus - Ms. Kelly Davenport

Civinettes - Mrs. Julie Rastall & Miss Lauren Murr

Distributive Education Clubs of America (DECA) - Mr. Chuck Hale

Drama Club - Mrs. Keri Sherwood Molloy

Environmental Club/Green Team - Mr. Warren Lewis & Mrs. Twana McKinney

Family Career and Community Leaders of America (FCCLA) - Ms. Jessica Gourley

Fellowship of Christian Athletes (FCA) - TBA

FISH - Students

French Club - Mrs. Cori Horne

Future Teachers of America (FTA) - Mrs. Karen Tolliver

Health Occupations Students of America (HOSA) - Ms. Cheri Wolfe & Ms. Hollie Backberg

Hiking Club - Mrs. Lesley Allen & Mr. Jeff Simcox

Key Club - Ms. Sharon Clark

National FFA Organization - Mr. Ryan Arnett

NJROTC - Master Sgt. Johnson & Commander John Roberts

Ruriteens - Mr. Guy McAmis

Science Club - Mr. Scott LaVoie

Skills USA - Multiple teachers

Spanish Club - Mrs. Hope Pritchard & Mr. Aaron McLain

Student Council - Mr. Tim Terry

Technology Students of America (TSA) - Mr. Guy McAmis

School Yearbook - TBA



## Athletics

Athletic Director, Josh Kyte, 753-1150

Trainer, Byron Grant, 753-1150



### Fall Sports:

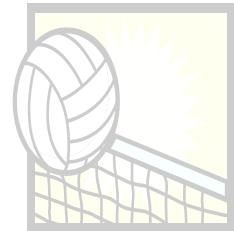
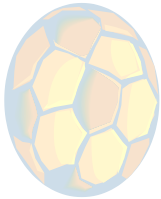
Boys & Girls Golf

Girls Soccer

Football

Volleyball Cross Country

Cheerleading



### Winter Sports:

Girls Basketball

Boys Basketball

Wrestling



### Spring Sports:

Boys Soccer

Baseball

Softball

Boys & Girls Track

# NCAA Eligibility Standards

## DIVISION I

### 16 Core-Course Rule

#### 16 Core Courses:

4 years of English.

3 years of mathematics (Algebra I or higher).

2 years of natural/physical science (1 year of lab if offered by high school).

1 year of additional English, mathematics or natural/physical science.

2 years of social science.

4 years of additional courses (from any area above, foreign language or nondoctrinal religion or philosophy).

## DIVISION II

### 14 Core-Course Rule

#### 14 Core Courses:

3 years of English.

2 years of mathematics (Algebra I or higher).

2 years of natural/physical science (1 year of lab if offered by high school).

2 years of additional English, mathematics or natural/physical science (3 required in 2013 and beyond).

2 years of social science.

3 years of additional courses (from any area above, foreign language or nondoctrinal religion or philosophy)

## Entrance Requirements for Area Schools

<b>East Tennessee State University</b>		<b>Northeast State Community College</b>	
English	4 years	English	4 years
Math	3 years	Math	3 years
(including Algebra I and II and Geometry)		(including Algebra I and II and Geometry)	
Science	2 years	Science	2 years
(including Biology)		(including Biology)	
Social Studies	2 years	Social Studies	2 years
(including U.S. History and World History or World Geography)		(including U.S. History)	
Foreign Language	2 years	Foreign Language	2 years
Fine Arts	1 year	(for university parallel programs, not certificate programs)	
Minimum ACT of 19		Fine Arts	1 year
Minimum GPA of 2.3		(for university parallel programs, not certificate programs)	
		Must submit ACT scores, no minimum score	

## **Additional Information**

### **Articulation Agreement**

An agreement between DCHS and Northeast State provides the chance for students to earn college credit for technical courses while still in high school. These students complete their regular high school technical course and are given the opportunity to test at the end of the course to receive articulation credit. Talk to your technical teacher about this option.

### **Youth Organizations**

Each technical course also offers a youth organization that provides leadership skills that compliment work done in the classroom. Students are a member of the local organization with the option of state and national membership. Students have the opportunity to compete in regional, state and national skills contests and develop leadership skills and self-confidence.

### **Student Services**

Students have access to health services through the school nurse and the school health clinic operated by the nursing department from East Tennessee State University. The Clinic has the ability to diagnosis and prescribe medication for illnesses. They are available on Monday, Wednesday & Friday each week. For additional mental health services, students may see a counselor from Frontier Health who is assigned to help with case management at DCHS two days a week.

## **Educational Opportunities After High School**

Many factors play a role in what opportunities your student will have, education is the most important. Approximately 80% of all careers require education beyond high school. Careers may require a four-year degree, some require a two-year degree and others require a one year degree or training. Your student's career choice will determine which educational path they take. There are six basic education options to from which to choose. You as a parent should help your student determine which option is right for them and ensure that they understand the importance of a good education.

- High School and Technical Programs
- Four-year College
- Community College and Technical College
- Career and Trade School
- Military
- Apprenticeships

## College Planning

Upon graduation all students will have completed the necessary requirements for entrance into the post-secondary education program of their choice. Students who aspire to attend “selective” colleges or universities should consider making a rigorous course of study their primary goal while at DCHS to be competitive during the admissions process. This would include

advanced classes, AP (Advanced Placement) classes, Jumpstart classes and additional math and science.

Admissions criteria for colleges and universities vary, but as a general rule the following factors are considered:

- Rigor of curriculum
- Grade Point Average (GPA)
- ACT/SAT Scores
- Recommendations
- Class Rank
- Extra-curricular activities
- Volunteer/Community Involvement
- Special Talents/Awards
- Essays/Interviews

## Paying for College

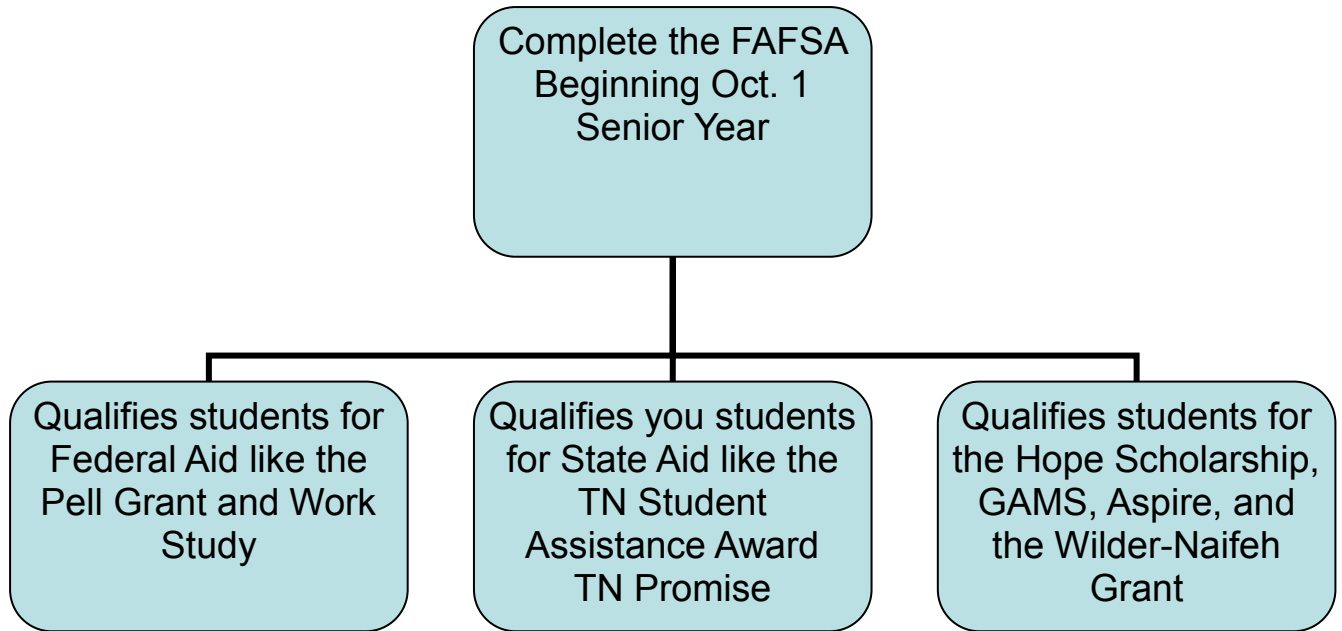
Higher education is not cheap, but it is attainable. The counseling office works diligently to keep students informed of the necessary steps to take to get help paying for their education. Parent meetings on scholarships and financial aid and college planning and FAFSA Nights are all held to help parents and students navigate the college going process. Scholarships are listed on the school webpage and new arrivals are announced during school and posted on social media via the counseling group page on FaceBook and Twitter.

The Hope Scholarship is available to students who will be attending a Tennessee Institution of Higher Education and have *either* a 3.0 GPA *OR* a 21 on the ACT. TN Promise is available to residents who graduate from a TN high school and complete the application process. This award is a last-dollar scholarship that covers tuition cost at community colleges TN Centers for Applied Technology across the state, and some four year colleges offering two year programs. *RAISEME* App allows students to earn scholarships to specific school through college-going activities while in high school. We encourage students to create a *RAISEME* account.

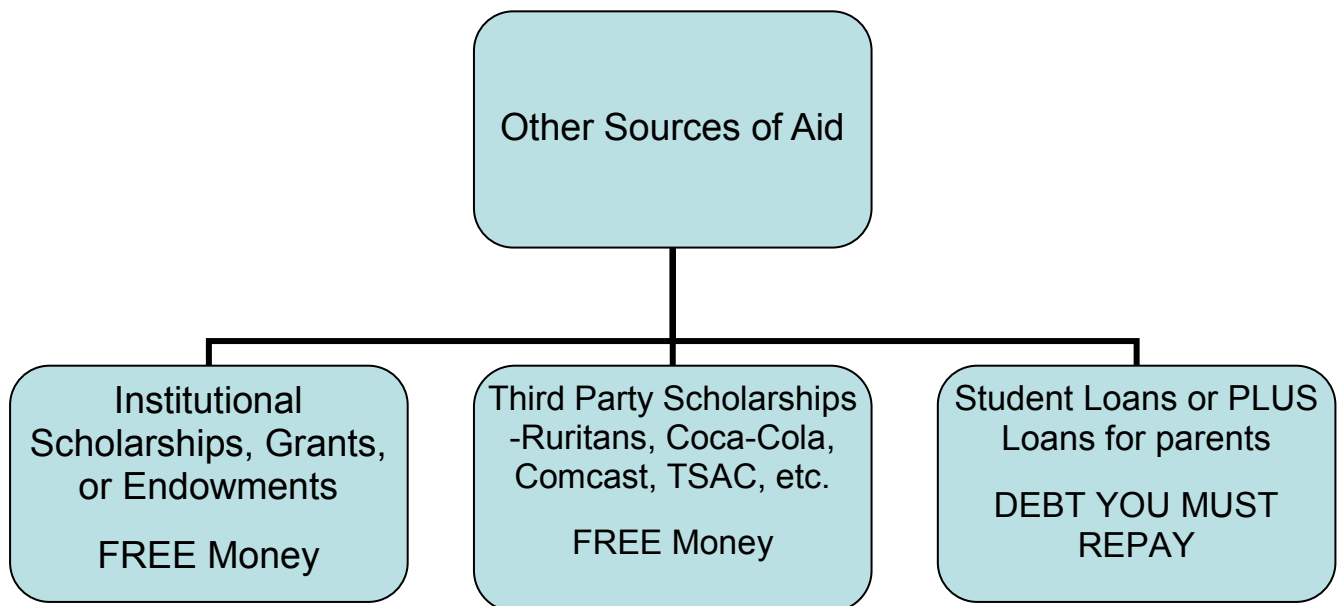
Helpful websites for choosing and paying for college and for career information include:

- [www.fastweb.com](http://www.fastweb.com)
- [www.collegefortn.org](http://www.collegefortn.org)
- [www.tcids.tbr.edu](http://www.tcids.tbr.edu)
- [www.wcde.org/davidcrockett](http://www.wcde.org/davidcrockett)
- [www.mycollegedollars.com](http://www.mycollegedollars.com)
- [www.planningyourfuture.org](http://www.planningyourfuture.org)

## Paying for College



All of these award programs are “free” money meaning you do not pay these funds back. They also “stack” and money left over gives you a “balance of aid” which means \$ in your pocket.



These funds will require extra paperwork on your part. You will work for this “free” money, but it can be well worth it. Some of these monies “stack” but you can not get more than the cost of attendance at your school. Students will begin paying back student loans 6 months after leaving school.

## **Spring Pre-Registration Information**

David Crockett High School utilizes a block schedule. Block classes are 80 minutes per day for 80 days or one semester. All courses in this catalog will NOT be offered every semester. In addition to the 80 minute courses, there will be one 50 minute course that will run year long.

### **Selecting Alternate Courses**

By requiring students to submit alternate courses, DCHS is able to generate a much higher percentage of complete schedules during the summer so that students have schedules ready for the first day of school. Students are asked to submit at least 2 alternate course selections in the event their first choice class is full or not offered during that particular school year/semester. If a student does not submit alternate course requests they will not have a complete schedule when school begins and will be forced to find an open class in August after the first day of school. Opening in popular classes are difficult to find in August, so alternate course choices are the best way to guarantee a complete schedule. When choosing alternate courses, pay close attention to prerequisites for the course. Do not list an alternate if you do not have the prerequisite or if the class is an application or audition class and you did not participate in the selection process. These alternates will be ignored.

## Advance Placement and Dual Enrollments

Advanced Placement courses are high school courses offered in conjunction with the College Board standards. They are considered to be college level coursework. Students may enroll in an AP course with prior teacher's approval. Students are expected to take the AP exam associated with each course. Exams are scored on a 1-5 scale. Most Colleges and Universities will offer college credit for a score of 3-5.

Crockett offers AP courses in English Language (11th grade), English Literature (12th grade), Human Geography (9th grade), US Government (10th grade), US History (11th grade), Chemistry, Calculus, and Statistics (when prerequisites are met).

AP grades are weighted providing an opportunity to increase the GPA.

Dual Enrollment courses are available both on our campus or on a college campus. The variety of courses is plentiful and the costs vary according to course and institution. The courses are taught by college instructor and provide college credit.

Courses offered on DCHS campus include:

Jumpstart Comp I and Comp 2 (3 hours credit each)

Jumpstart Probability and Statistics (3 hours)

Jumpstart Biology I and II (4 hours credit each)

Jumpstart Psychology (3 hours)

Dual Enrollment Career Tech courses offered at DCHS include:

Quality & Inspection

Safety in the Workplace

Industrial Concepts

Geometrical Dimensioning & Tolerance

Trigonometric Applications

Computer Applications

Essentials of Web Development

Materials & Manufacturing Process

Intro. to Computer Networking

Microcomputer Operating Systems

Courses offered on campus at ETSU but scheduled specifically for high school students:

Introduction to Service Learning

Understanding Cultural Diversity

Introduction to Human Services

# COURSE DESCRIPTIONS

## ENGLISH

### English 9, 10, 11, 12

**Prerequisite: None**

**Credit: 1**

All English courses are designed to develop skills in grammar, spelling, listening, reading, speaking, thinking, and writing. There is a broad study of American literature in junior English and British literature in senior English. English 9 and 10 require a research project. English 11 and 12 require a research paper.

### English 9, 10, 11, 12 Adv

**Prerequisite: Teacher Recommendation & Test Data**

**Credit: 1**

These courses include challenging material and a wider variety of materials designed for college-bound students. English 9 and 10 require a research project. English 11 and 12 require a literary research paper.

### English 11 AP Language and Composition

**Prerequisite: English 10 and Teacher Recommendation**

**Credit: 1**

AP English is designed for the student with exceptional skills in reading comprehension and writing. This advanced studies course enables students to earn national college credit through the College Board examination. All text are on the college level and contain college-level themes and materials. Students analyze and evaluate works through group discussions and thought-provoking questions.

### English 12 AP Literature and Composition

**Prerequisite: English 11 and Teacher Recommendation**

**Credit: 1**

AP English is designed for the student with exceptional skills in reading comprehension and writing. This advanced studies course enables students to earn national college credit through the College Board examination. All text are on the college level and contain college-level themes and materials. Students analyze and evaluate works through group discussions and thought-provoking questions.

### Jump Start English 12

**Prerequisite: C in English 11, ACT Eng 18, Reading 19**

**Credit: 1**

This advanced studies program is a cooperative effort between local high schools and Northeast State Technical Community College which provides an opportunity for quality high school students to get a "Jump Start" on college. Composition I introduces expository writing with particular emphasis on critical thinking and argumentation. Successful students master the entire writing process, including research techniques for the production of a formally documented paper. Composition II focuses on effective expository writing techniques through reading, analyzing and interpreting short fiction, drama, poetry and non-fiction. Critical thinking, argumentation and logic are emphasized. Students may earn up to 6 semester hours of transferable college credits and satisfy specific courses required for high school graduation. This course is taught by NESTCC professors and requires a fee.



### **Creative Writing**

**Prerequisite: Teacher Recommendation**

**Credit: 1**

The class has a dual purpose. From nonfiction to poetry, students are encouraged to write creatively in a variety of genres. These writings inspire creativity and teach mastery of concepts in language, literature, and writing. Taught style, purpose, form, and function, students learn how to internalize language skills and how to communicate effectively. Revision and editing are core components in this class. The class also teaches a variety of test-taking skills and strategies. The course offers students the opportunity to acquire both the academic skills in language and literature and the creativity and fresh approach for writing and reading which enhances individual experience and personal achievement.

### **Mythology**

**Prerequisite: English 9**

**Credit: 1**

This course presents the major myths from around the world. It is designed for those students who like to read and who have a basic knowledge of Greek Mythology. Students involved in this course should have a love of reading, since the course is reading intensive. Students interested in AP English as juniors and seniors should strongly consider this course.

### **Novels and Short Stories**

**Prerequisite: English 9**

**Credit: 1**

This course is an eclectic overview of different genres in fiction. Students involved in this course should have a love of reading, since the course is reading intensive. Students interested in AP English as juniors and seniors should strongly consider this course.

### **Gothic Literature**

**Prerequisite: None**

**Credit: 1**

The purpose of this course is to explore the historical background of Gothic Literature while studying the characteristics of the genre, a genre that focuses on strong emotion through mystery, terror, death, monsters (dead or alive), the unknown, as well as psychological mind games. We will study the major themes within the literature, such as good versus evil, the influence of the supernatural, and terror versus horror. There will be blood!

### **Speech & Debate**

**Prerequisite: None**

**Credit: 1**

Students will acquire and practice skills necessary for academic, vocational, and personal success. Students will write, edit, practice, deliver, and critique speeches in front of audiences comprised of students and faculty. Debate will focus on research, rhetoric, and logical fallacies. Extemporaneous speaking will be practiced during speeches and debates: such as students will be required to keep up with current events.

### **Mystery**

**Prerequisite: None**

**Credit: 1**

It's a Mystery! The purpose of this course is to study history, characteristics, and nature of the mystery story; examining both the relationship of mystery fiction to the culture of its time, how authors build suspense, critical thinking skills and processes.

## **Jump Start Psychology/Statistics**

**Prerequisite: Junior or Senior**

**Credit: 1**

This advanced studies course is a cooperative effort between local high schools and Northeast State Technical Community College which provides quality high school students the opportunity to get a “jumpstart” on college. Students may earn up to 6 transferable college credits in Psychology and Art History. General Psychology is an introduction to the methods and theories of psychology. Behavior is examined through a study of learning, thinking, motivation, emotion, maturation, perception, personality and psychopathology. Art History Survey II is a survey of architecture, painting, sculpture and the minor arts in the Western World from the Early Renaissance through the rise of Modernism in Europe and North America. This course is taught by a NESTCC professor and requires a fee. Students must have a minimum ACT score of 18 in English, 19 in Reading and Math to enroll in this pairing.

## **Science Fiction/Fantasy**

**Prerequisite: None**

**Credit: 1**

These are two of the highest grossing and most popular genres of film and fiction. This course examines the development of these genres by focusing on unique characteristics, major themes, and connection to modern world. The class will study novels, short stories, and films that capture the nature of science fiction and fantasy.

## **Bible as Literature**

**Prerequisite: None**

**Credit: 1**

Students will begin the course by studying the history of the Bible and its impact upon society. They will explore the literary divisions and Biblical themes. There will be a general overview from Genesis to Resurrection with apologetics interwoven throughout. Students will be challenged to apply what they learn and to defend their positions.

## **I Love to Read**

**Prerequisite: None**

**Credit: 1**

This is only for people who love to read! I Love to Read will consist of reading various genres. We will focus on genres that students suggest. We will “check out” and read books online.

## **World Religions**

**Prerequisite: None**

**Credit: 1**

The study of world religions is an integral part of understanding individuals, countries, and nations. This knowledge will provide the students an opportunity to understand diversity and acquire sensitivity to individual beliefs, in order that they may better succeed in life and academics after high school. Under the development of western religions a study of Zoroastrianism, Judaism, Christianity, and Islam are included. Under the development of the eastern religions a study of Hinduism, Buddhism, Taoism, Confucianism, Sikhism, and Shinto are included. The included religions are those that have been historically studied as part of religious studies curricula at the university level. Additionally, this study of religions is not limited to those included in this description.

***Multiple JumpStart classes may vary from year to year.***

# JOURNALISM

## Yearbook

**Prerequisites: Teacher Rec. & App. Required**

**Credit: 1**

Yearbook offers exceptional students a chance to develop skills in writing, photography, graphic design, and computers, as well as, marketing and advertising skills, in the production of the school yearbook.

# MATHEMATICS

## Strategic Algebra

**Prerequisite: Student Data and Test scores**

**Credit: 1**

This course satisfies the Algebra requirement for RTI tier 3 students. See the course description below for Algebra 1 A & B.

## Algebra 1 A & B – 9<sup>th</sup> Full Year

**Prerequisite: No Prerequisite**

**Credit: 1**

Algebra I uses problem situations, physical models, and technology to extend algebraic thinking and engage reasoning. Problem solving situations will provide students an environment that promotes communication and fosters connections within mathematics, to other disciplines and to the real world. Students will use physical models to represent, explore, and develop abstract concepts. The use of technology will help students apply mathematics in the real world. The concepts emphasized in the course include functions, solving equations, slope as rates of change, and proportionality.

## Algebra 1 – Advanced (9th)

**Prerequisite: Placement Test/Teacher Rec.**

**Credit: 1**

This course is designed especially for high achievers. The course content is the same as for Algebra 1, but students are instructed using spiraling techniques rather than the traditional linear approach.

## Geometry

**Prerequisite: Algebra 1**

**Credit: 1**

Geometry uses problem situations, physical models, and appropriate technology to investigate and justify geometric concepts and relationships. Problem-solving situations provide students an environment that promotes communication, engages reasoning, and fosters connections within math, to other disciplines, and to the real world. Students will use physical models to represent, explore, develop, and apply abstract concepts. The use of appropriate technology will help students develop math needed in the real world. The concepts and topics emphasized in the course include measurement, geometric patterns, coordinate geometry, two- and three-dimensional figures, transformational geometry, congruence, similarity, inductive and deductive reasoning, logic, and proof.

### **Geometry – Advanced**

**Prerequisite: Algebra 1 – Advanced/ Teacher Rec.**

**Credit: 1**

This course is designed especially for high achievers. The course content is the same as for Geometry, but students are instructed using spiraling techniques rather than the traditional linear approach.

### **Algebra 2**

**Prerequisite: Algebra 1**

**Credit: 1**

Algebra 2 is a course that uses problem situations, physical models, and appropriate technology to extend algebraic thinking and engage student reasoning. Problem-solving situations will provide all students an environment that promotes communication and fosters connections within math, to other disciplines, and to the real world. Students will use physical models to represent, explore, and develop abstract concepts. The use of appropriate technology will help students apply math in an increasingly technological world. The concepts emphasized include analysis of “family of functions,” solving systems of equations, graphing, data analysis, and logarithmic and exponential functions.

### **Algebra 2 – Advanced**

**Prerequisite: Geometry - Advanced/Teacher Rec.**

**Credit: 1**

This course is designed especially for high achievers. The course content is the same as for Algebra 2, but students are instructed using spiraling techniques rather than the traditional linear approach.

### **Bridge Math - SAILS**

**Prerequisite: Algebra 2; Score below 19 on Math portion of ACT**

**Credit: 1**

In alignment with the Developmental Studies Program for Mathematics (DSPM) outcomes, the curriculum standards have been organized into groups of mathematical skills. Certain mathematical skills are required in order to prepare a DSPM student for college level mathematics courses. However, these particular skills should be developed in an environment that promotes learning beyond skill and drill techniques. These new skills should be introduced in conjunction with appropriate mathematical concepts and should be related to previous learning. Applications of these skills should play a principal role in the learning and assessment process. Technology should be used to strategically enhance the student’s understanding of core concepts via the use of multiple problem solving strategies.

### **Applied Mathematics Concepts**

**Prerequisite: Score below 19 on Math portion of Junior ACT**

**Credit: 1**

This course will focus on applications and modeling using mathematics. Topics to be discussed include but are not limited to financial mathematics, linear programming, logic and Boolean Algebra, counting and combinatorial reasoning, normal probability distribution, and confidence intervals. This course will also teach the aspects of investigative logic, data organization and interpretation, and problem-solving techniques in real-world situations.

### **Pre-Calculus**

**Prerequisite: Algebra 2**

**Credit: 1**

Pre-calculus is an advanced mathematics course that uses meaningful problems and appropriate technologies to build upon previously learned mathematical concepts to develop the underpinnings of calculus.

## Calculus

**Prerequisite: Pre-Calculus**

**Credit: 1**

Calculus is an advanced mathematics course that uses meaningful problems and appropriate technology to develop concepts and applications related to (a) functions, graphs, and limits, (b) derivatives, and (c) integrals.

## AP Calculus (AB & BC)

**Prerequisite: Pre-Calculus**

**Credit: 1**

AP Calculus is an advanced mathematics course that uses meaningful problems and appropriate technology to develop concepts and applications related to (a) functions, graphs, and limits, (b) derivatives, and (c) integrals. Students may receive college credit by passing the AP Calculus Test administered by the College Board. The test is given in May.

## Probability & Statistics

**Prerequisite: Algebra 2**

**Credit: 1**

Statistics is an advanced mathematics course that uses meaningful problems and appropriate technologies to use statistical concepts developed in previous courses to develop more advanced means of statistical analyses, interpretations, and predictions.

## AP Statistics

**Prerequisite: Probability & Statistics**

**Credit: 1**

The purpose of this course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring Data: Describing patterns and departures from patterns.
- Sampling and Experimentation: Planning and conducting a study.
- Anticipating Patterns: Exploring random phenomena using probability and simulation.
- Statistical Inference: Estimating population parameters and testing hypothesis.

Students who successfully complete the course and exam may receive credit, advanced placement, or both for a one-semester introductory college statistics course.

## Interactive Multimedia

**Prerequisite: Algebra II (Suggested)**

**Credit: 1**

The student will be proficient in using interactive multimedia tools to develop electronic presentations. Creative design, persuasive communications, and language arts skills are applied through research, evaluation, validation, written and oral communication. Typography, layout, and design guidelines are applied. Copyright laws and ethical practices are reinforced in creating and formatting various presentations that require imported data/graphics, digital, audio, and video clips. Team development will also be stressed as students work on multimedia project(s). Laboratory facilities and experiences simulate those found in business and industry.

## Design Mathematics

**Prerequisite: None**

**Credit: 1**

History of Math is introduced to students where mathematicians and their discoveries are explored and related to the use of math in the 21st century. Concepts of Computation, Problem Solving, Algebra I, Basic Geometry, and Statistics & Probability are explored and applied to 21st Century skills and real-world situations. Figures critical to the development of mathematics (e.g. Pythagoras, Pascal, & Descartes) or important developments (e.g. pi, zero, fractions, probability theory, and calculus) will form the backbone of this class.

### **3-D Model Making**

**Prerequisite: None**

**Credit: 1**

This class will focus on building, creating, planning, scaling and scratch-building various model structures from insects to spacecraft and beyond! The class will use several mediums-balsa wood, foam-board, but mostly card stock. Students will enjoy learning dexterity skills, art, scaling, perseverance, patience, attention to detail, along with following written instructions and plans while having fun. Some real-world geometry and use of basic algebra will be using in conjunction of planning and building students-designed models. See Mr. Tolliver's home page for more details.

### **Technology & Electronics**

**Prerequisite: None**

**Credit: 1**

This class will focus on a general understanding of various components and devices in the world of technology and electronics including set-up and operation, differences and similarities of products and platforms available, and their development over time. Categories include audio and video equipment, computers, mobile devices, and home automation.

### **Introduction to Programming**

**Prerequisite: None**

**Credit: 1**

This course aims to teach everyone the basics of programming computers using Python. We cover the basics of how to construct a program from a series of simple instructions in Python. The course has no pre-requisites and avoids all but the simplest mathematics. Anyone with moderate computer experience should be able to master the materials in this course. This course can be a launchpad for students seeking a career in software engineering, data mining, and video-game engineering.

### **Aircraft Model Making**

**Prerequisite: None**

**Credit: 1**

This course aims to teach you how to build and fly radio controlled aircraft. This class will focus on fixed wing aircraft and basic aerodynamics. Students will be introduced to the hobby of model aircraft that has become a lifetime hobby for thousands of people world wide. A suggested lab fee of \$10.00 will provide the basic supplies for each student to build a scratch-built foam core fixed wing aircraft that is capable of flight. Parts such as motors, radios and servos will be provided for in-class use only. Students/parents may decide to purchase their own equipment if they want to keep their completed aircraft at the end of the class.

### **Math in the Movies**

**Prerequisite: None**

**Credit: 1**

Math in the Movies is a course where we will watch everything from commercials to feature films to see how Hollywood portrays math, from fallacies with Abbott and Costello's  $7 \times 13 = 28$  to the very real application of the encryption of primes to communicate in the movie *Contact*. Bring your popcorn and pencil as we study the math behind the scenes.

## **Introduction to Computer Programming**

**Prerequisite: Algebra I grades of B or higher**

**Credit: 1**

This class used project based learning in which the student will learn the basics of programming. Languages may include HTML, JavaScript, Python, and Java.

## **SCIENCE**

All students must have 3 credits of laboratory science, which includes biology and a choice of chemistry or physics. Freshmen placement will rely on test data from TCAP and EXPLORE tests. Advanced scores will be placed in Advanced Biology. Proficient scores may be placed in Physical World Concepts. (PWC).

### **Agriscience**

**Prerequisite: None**

**Credit: 1**

The course includes scientific principles applied to agriculture. The course is a science credit. Content area includes: ecology, biological processes, animal nutrition and health, livestock management, genetics, general chemistry and physical application, plant growth, and plant and soil chemistry. The course helps students understand the important role that agricultural sciences serve into the future. The class also focuses on leadership activities in the National FFA Organization. (This course can also be found in the Agriculture section.)

### **Agriscience—Advanced**

**Prerequisite: Advanced Reading Scores**

**Credit: 1**

The quick paced course includes scientific principles applied to agriculture. The course is a science credit. Content area includes: ecology, biological processes, animal nutrition and health, livestock management, genetics, general chemistry and physical application, plant growth, and plant and soil chemistry. The course helps students understand the important role that agricultural sciences serve into the future. The class also focuses on leadership activities in the National FFA Organization. (This course can also be found in the Agriculture section.)

### **Physical World Concepts**

**Prerequisite: None**

**Credit: 1**

Physical World Concepts will introduce students to basic of physics and chemistry. Content will include topics in motion, heat, machines, atomic structure, chemical bonds, light, sound, electricity, and energy alternatives. PWC will offer laboratory experience.

### **Biology I**

**Prerequisite: None—strong performance on test data**

**Credit: 1**

This course offers classroom and laboratory experience in exploring life. Students survey biochemistry, genetics, the five kingdoms of living things, comparative anatomy, and ecology. Students will take an end of course exam in Biology I. **Lab fee is requested.**

### **Biology I Advanced**

**Prerequisite: 9th Exceptional performance on test data** **Credit: 1**  
**Upperclassmen—Exceptional performance in PWC or Chem/Physics and teacher recommendation**

This course is designed for high achieving students. It covers the same curriculum as regular biology but with more depth and at a faster pace. **Lab fee is requested.**

### **Biology II**

**Prerequisite: Biology I & Chemistry I & Teacher Recommendation** **Credit: 1**  
Biology II is an **elective college-preparatory course designed to be an advanced study of life by the serious biology student.** The course goal is to develop understanding and appreciation of the unity underlying the diversity of living things by studying molecular and cellular structures and functions, reproductive processes and genetics, microorganisms, anatomy and physiology of plants and animals, interactions between abiotic and biotic factors in the balance of ecosystems, and current biological information as it relates to the student and his world. Time is spent in laboratory activities. **Lab fee is requested.**

### **Chemistry I**

**Prerequisite: Alg. I** **Credit: 1**  
Chemistry is the science of matter and structure. Laboratory safety, procedures and techniques are introduced. **Lab fee is requested.**

### **Chemistry II**

**Prerequisite: Advanced Biology, Advance Chemistry** **Credit: 1**  
This course will develop concepts of Advanced Chemistry at a deeper level and will include such topics as solutions, thermodynamics, and kinetics. **Lab fee is requested.**

### **AP Chemistry**

**Prerequisite: Chemistry I and II** **Credit: 1**

AP Chemistry is designed to provide students an experience of a college level chemistry course. AP Chemistry is the equivalent to college level, Chemistry 1 and 2. Students will have the opportunity to take the AP Exam at the end of the semester, which (depending on your college of choice) will count as a college credit (8 hour credits). The experience will benefit any student who is seeking a future in the science field.

### **Physics**

**Prerequisite: Alg I** **Credit: 1**  
Physics is the study of mechanics, waves and sound, thermodynamics and nuclear physics. This is a conceptual course. Laboratory experience is provided. **Lab fee is requested.**



### **Advanced Physics**

**Prerequisite: Advance Biology, Chemistry, Alg. II**

**Credit: 1**

Physics is the study of mechanics, waves and sound, thermodynamics and nuclear physics. The curriculum will be similar to Physics but with more depth and a at a faster pace. This course has a strong mathematics core. Laboratory experience is provided.

**Lab fee is requested.**

### **Anatomy and Physiology**

**Prerequisite: Biology/Health Science Preferred**

**Credit: 1**

Designed for students to develop an understanding of the functioning of the human body. This course may serve as a science credit if the teacher is highly qualified, which they are here at DCHS. The course uses the same textbook as Walters State Community College. Grades 10-12.

### **Wildlife Conservation**

**Prerequisite: None**

**Credit: 1**

This class will examine various techniques and strategies in ethical harvesting of various TN game species. Emphases will be placed on safety and legal harvesting and processing of large game, small game, and fish in East TN area.

### **Ecology (and our Hillbilly Heritage)**

**Prerequisite: Biology I & Chemistry or Physics**

**Credit: 1**

“Hillbilly Heritage” focuses on the ecology of the southern Appalachian Mountains. Topics covered include planting and harvesting the forests, fields, and gardens, canning and preserving of food and the making of butter, cheese, apple butter and maple syrup.

### **Astronomy**

**Prerequisite: None**

**Credit: 1**

In this course students will learn: the formation or our solar system, its evolution and possible future; the formation and evolution of galaxies and galaxy-clusters (local and super clusters); black holes, novas and super novas, asteroids and comets; eclipses (solar and lunar). We will go to the observatory and planetarium at Bays Mountain. Finally, we will run computer simulations and models to facilitate understanding.

# FOREIGN LANGUAGE

## French 1

**Prerequisite: None**

**Credit: 1**

This class will offer students an opportunity to study the French language and the customs of the French people. On completion of the first course in French, students should have basic knowledge of the language.

## French 2

**Prerequisite: C in French 1**

**Credit: 1**

The purpose of this course is to improve and augment skills of French 1. The continuation of the study of grammar is necessary to strengthen the students' usage of the language. Also, included will be reading, writing, and conversational use of the language to improve pronunciation and comprehension.

## French 3 and 4

**Prerequisite: French 1 & 2**

**Credit: 1**

In this course, the emphasis is on language and communication. There is also an emphasis on exploring French cultural customs and practices.

## French History & Culture

**Prerequisite: French 2**

**Credit: 1**

This class will discuss French history and cultural influences over the last centuries. Literature, poetry, and film will also be studied to supplement the specific historic periods.

## Spanish 1

**Prerequisite: None**

**Credit: 1**

This class will provide students with the basic skills necessary for understanding the Spanish language and includes grammatical construction, vocabulary, and pronunciation. Cultural material of Spanish speaking people is an integral part of the course.

## Spanish 2

**Prerequisite: C in Spanish 1**

**Credit: 1**

The second year Spanish course is designed to strengthen and enlarge basic skills learned in Spanish 1. Opportunity is given for the students to apply these skills in a more abstract manner. The emphasis is placed on increasing accuracy and ability in writing, reading, and speaking the language.

## Spanish 3 and 4

**Prerequisite: C in Spanish 2**

**Credit: 1**

The third year Spanish course is designed to increase accuracy and ability in writing, reading, and speaking the language. Emphasis is placed on Spanish literature.

# SOCIAL STUDIES

## AP Human Geography

**Prerequisite: Exceptional performance on test data**

**Credit: 1**

This is the study of the places of the world and people who occupy them. It's purpose is to acquaint the students with a general knowledge of different countries and the influence of geographic forces upon the people who live there.

## U.S. History

**Prerequisite: None**

**Credit: 1**

This course studies the political, social, and economic events that have shaped today's society in America. This class helps you to understand the characteristics of America, which are toleration of differences, belief in reform, social mobility, education as necessary, respect for the rights of others, and government by the people. Course is typically taken during the junior year.

## U.S History– AP

**Prerequisite: Pre AP U.S. History**

**Credit: 1**

This Advanced Placement class is designed to develop analytical skills and provide factual knowledge necessary for the students to deal critically with the problems and subject matter in U.S. History. It will develop the critical thinking skills necessary to arrive at a conclusion on the basis of an informed judgment and to present reason and evidence clearly and persuasively in essay forms. Students may receive college credit by passing National U.S. History AP test given in May.

## U.S. Government

**Prerequisite: None**

**Credit: 1**

U.S. Government is the study of our federal system of Government. It may include a survey of state and local governments. The U.S. Constitution is the basis of the class. An advanced section of U.S. Government will also be offered. This course is typically taken during the senior year.

## U.S. Government-AP

**Prerequisite: None**

**Credit: 1**

This Advance Placement course is a survey course equivalent to a college course in Politics and Government. Students may receive college credit by passing the National U.S. Government AP test given in May.

## Economics

**Prerequisite: None**

**Credit: 1/2**

This course studies our free enterprise system. Its purpose is to prepare students to cope with the complex economic decisions, which every American citizen must face. An advanced section of economics will be also offered. This course is typically taken during the senior year.

## Archeology

**Prerequisite: None**

**Credit: 1/2**

This course is concerned with the study of the past as revealed by artifacts. Topics include prehistory and ancient human existence, the advent of agriculture and technology, and the rise of civilizations. Also, class time will be used to examine the exploits of successful archaeologists and their discoveries as well as the techniques used and how these methods have changed over time.

### **Appalachian Studies**

**Prerequisite: None**

**Credit: 1**

This survey course explores East Tennessee Appalachian life and its surrounding region. The categories of study for this course include history, culture, politics, education, and religion. Various educational media such as documentaries, news reels, newspaper articles, sociological literature, history books, novels, biographies, autobiographies, and diaries will be the source of content delivery.

### **World War II and the World it Created**

**Prerequisite: None**

**Credit: 1**

Course on the origins, important people, and major campaigns of World Wars and the world it created. This year-long class will examine fascism, the role of women, the key battles, personalities, and the home front issues. Course content will include selected readings, videos, and projects.

### **Women's Studies**

**Prerequisite: None**

**Credit: 1**

Students will study women who have impacted history. These women may include artists, musicians, actresses, fashionistas, felons, and more. The course will be led by student interest and will explore a variety of areas.

### **Contemporary Issues**

**Prerequisite: None**

**Credit: 1**

Contemporary Issues is an examination of the pertinent social issues in our world. This class requires that students are both mature and scholastically motivated. Through group investigation, guest speakers, and community involvement projects, Contemporary Issues will seek to substantively inform the opinions of its participants. Class is open to 11th and 12th graders with at least a B average in English and Social Studies.

### **Pre AP—U.S. History**

**Prerequisite: Juniors or Seniors**

**Credit: 1**

This course is designed as a prerequisite course for AP U.S. History. It is a rigorous, reading and writing intensive course that covers the Renaissance through U.S. Reconstruction. This course will stress the "why and how" in addition to the "what happened." It will cover broad themes in U.S. History including: American diversity, identity & culture, economic transformations, reform, religion, slavery and its legacies, and politics. The course will be taught at an advanced level and will require student discipline and focus in order to excel.

## **World History & Geography**

**Prerequisite: None**

**Credit: 1**

This course studies the history of the world from the French Revolution to the present.

## **Profiles from History**

**Prerequisite: None**

**Credit: 1**

This course focuses on biographies of individuals throughout history that reveal a broader concept of times, places, trends, and circumstances. The purpose of this course is to examine characters from the past in greater detail than can be done in a typical survey course.

## **Personal Finance**

**Prerequisite: Senior**

**Credit: 1/2**

This course is designed to develop skills in financial principles. The students will discuss credit institutions and opportunities, financial resources, and the effects on individuals as well as businesses. Ethical issues are also discussed in this class. This is a requirement for graduation and is offered in conjunction with economics.

## **Historical Fiction Novels**

**Prerequisite: None**

**Credit: 1**

How did John F. Kennedy's assassination affect American life? What if JFK had been saved? Did Lee Harvey Oswald really assassinate Kennedy? Stephen King's historical fiction novel 11/22/63 attempts to answer these questions using Jake Epping and a travel back in time from 2011 to 1958. This novel does contain mature content (language and violence), and a parental consent would be required. Students will spend eighteen weeks with an English teacher and eighteen weeks with a history teacher exploring the book. This will be a quick paced course and will require mandatory student participation, reading, writing, projects, and discussion. Students will need to purchase copy of book.

## **U.S. Military History**

**Prerequisite: None**

**Credit: 1**

This course is designed to develop skills in financial principles. The students will discuss credit institutions and opportunities, financial resources, and the effects on individuals as well as businesses. Ethical issues are also discussed in this class. This is a requirement for graduation and is offered in conjunction with economics.

## **Historical Politics**

**Prerequisite: None**

**Credit: 1**

This course will focus on presidential election and the events and politics that shaped the race.

## **Crime in America**

**Prerequisite: None**

**Credit: 1**

The study of crime and criminals in America from the oldest through modern times.

# PHYSICAL EDUCATION

## Lifetime Wellness I

**Prerequisite: None**

**Credit: 1**

The curriculum will integrate concepts from the areas of health, physical fitness, and wellness.

## Physical Education—Driver's Education

**Prerequisite: None**

**Credit: 1**

The curriculum will integrate concepts from the areas of health, physical fitness, and wellness. Drivers Education is offered to students who have reached the age of 15, typically their sophomore year.

## Physical Education—Group Fitness & Conditioning

**Prerequisite: Lifetime Wellness/NJROTC**

**Credit: 1**

These courses emphasizes the importance of fitness and exercise to good health. Exercise equipment is utilized in instruction. A student may earn up to 1 credit during grades 10-12.

## Outdoor Adventure Activities

**Prerequisite: None**

**Credit: 1**

A study of outdoor activities, places, and equipment. Types of activities include hiking, cycling, geo-caching, backpack camping, kayaking, repelling and others.

## Intramural Sports

**Prerequisite: None**

**Credit: 1**

This class will focus on the origin and history of the sports being taught. Rules and regulations for each sport will be discussed. Round Robin tournaments will be included.

## Wellness with a Twist

**Prerequisite: None**

**Credit: 1**

This course will provide opportunities for students to participate in a variety of exercise workouts. The course will include the following: yoga, moderate cross fit, zumba, and teamwork activities (cooperative games). Participation is mandatory. Some equipment may be required (shoes, yoga mat). Application Needed.

## Sports History & Modern Culture

**Prerequisite: None**

**Credit: 1**

This course will focus on historical aspects and role of both professional and college sports during the 20<sup>th</sup> and 21<sup>st</sup> centuries. Students will examine and compare different eras to correlate with US history. The impact of sports on pop culture will also be studied. Individual leagues, teams, and players will be examined in depth in order to understand their historical significance.

## Sports Management & Media

**Prerequisite: None**

**Credit: 1**

This course will explore world of sports management with an emphasis on sports media. This course will look into how sports teams are structured and managed. Multimedia productions of our own sports teams will be created. Discussion of statistics of each team and how it is used.

## Crossfit

**Prerequisite: None**

**Credit: 1**

This class will consist of 5 to 10 minute dynamic warm up every day followed by various workouts concentrating on different muscles. Athletic apparel recommended, not required. Grade will be based on participation.

# NAVAL JUNIOR RESERVE OFFICER TRAINING CORPS (NJROTC)

## Naval Science 1 (NS 1)

**Prerequisite: None**

**Credit: 1**

This is an elective course covering a variety of subjects such as uniform wear, military drill, military customs, leadership, career planning, government, physical training, and includes competitive platoon activities. Students may participate in the drill team, rifle team, and a wide variety of community events as well as annual orientation trip to military bases throughout the country. Course completion does NOT obligate the student for military service but may make him/her eligible for increased pay should they enlist upon graduation. Books and uniforms are furnished at no cost to the students. Motivated and mature students are given the opportunity to attend a mini-boot camp, leadership academy, and to participate in annual orientation trips. Exceptional scholarships can be earned through enrollment in this program.

## Naval Science 2 (NS 2)

**Prerequisite: NS 1 or instructor approval**

**Credit: 1**

Elective course that offers, on an alternation basis with NS3, studies such as maritime history, nautical science, leadership, physical training, and competitive team activities. Students may participate in the drill team, rifle team, academics team, as well as community support activities. Motivated and mature students are given the opportunity to attend a mini-boot camp, leadership academy, and to participate in annual orientation trips. Academically advanced students may be able to earn significant collage scholarships through this program. Completing two NS credits satisfies the school's Lifetime Wellness graduation requirement.

## Naval Science 3 (NS 3)

**Prerequisite: NS 1 or instructor approval**

**Credit: 1**

Elective course that offers, on an alternating basis with NS2, studies such as naval skills, naval knowledge, leadership, physical training, and competitive team activities. Students may participate in the drill team, rifle team, academic team, as well as community support activities. Motivated and mature students are given the opportunity to attend mini-boot camp, leadership academy, and to participate in annual orientation trips. Academically advanced students may be able to earn significant college scholarships through this program.

## Naval Science 4 (NS 4)

**Prerequisites: NS 1 or instructor approval**

**Credit: 1**

Students will study advanced leadership topics and apply techniques in unit leadership roles. ROTC will also satisfy the following requirements.

## NJROTC Drill & Leadership

**Prerequisites: Co-enrolled in NS 1/2/3/4**

**Credit: 1**

Students prepare for drill competition by mastering precision military drill. Students travel and represent school at drill meets; at least two meets will involve overnight travel. Cadet staff may take this class to perform staff duties.

# AGRICULTURE EDUCATION

## Agriscience

**Prerequisite: None**

**Credit: 1**

The course includes scientific principles applied to agriculture. The course is a science credit. Content area includes: ecology, biological processes, animal nutrition and health, livestock management, genetics, general chemistry and physical application, plant growth, and plant and soil chemistry. The course helps students understand the important role that agricultural sciences serve into the future. The class also focuses on leadership activities in the National FFA Organization. (This course is also listed in the science section.)

## Agriscience—Advanced

**Prerequisite: Advanced Reading Scores**

**Credit: 1**

The quick paced course includes scientific principles applied to agriculture. The course is a science credit. Content area includes: ecology, biological processes, animal nutrition and health, livestock management, genetics, general chemistry and physical application, plant growth, and plant and soil chemistry. The course helps students understand the important role that agricultural sciences serve into the future. The class also focuses on leadership activities in the National FFA Organization.

## Agriculture Leadership

**Prerequisite: None**

**Credit: 1**

This class focuses on developing leadership skills in each person. The class focuses on leadership positions, communication skills, teamwork, influence and character. Most careers are lost or gained because of a person's ability to lead and communicate with others. This class helps to make a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success, regardless of the career chosen. The class also focuses on leadership activities in the National FFA Organization.

## Applied Environmental Science

**Prerequisite: None**

**Credit: 1**

This course deals with the management of forests, insect and disease control, fire management, tree identification, planting, growing, harvesting and marketing of trees, recreational uses of the forest, topographic mapping, and tree measurement. One major class goal is to be involved and interested in the forest. Another major class goal is to never look at a tree the same way again. The class also focuses on leadership activities in the National FFA Organization.

## Greenhouse Management

**Prerequisite: None**

**Credit: 1**

This course applies proper management of a greenhouse and application of horticulture knowledge, including propagation, pesticide use, plant growth, watering, fertilizing, growing media, and proper greenhouse techniques. The fall semester involves learning the information; the spring semester involves growing and transplanting greenhouse crops for sale to the public. The class also focuses on leadership activities in the National FFA Organization.



## **Plant and Soil Science**

**Prerequisite: None**

**Credit: 1**

The course studies the plant sciences and the soil sciences and their interaction with one another. Topics include: use of natural resources and agronomic crops, plant growth, plant nutrition, plant health, soil chemistry, soil conservation, and soil management (physical properties of soil, practical use of soils for homes and crops) to meet the needs of agricultural production while addressing concerns dealing with urbanization and conservation. The class also focuses on leadership activities in the National FFA Organization.

## **Landscape Turf Science (Landscaping)**

**Prerequisite: None**

**Credit: 1**

This course is an extremely hands-on class that involves the entire landscape process. The class allows students to apply plant knowledge in the landscaping world, including the following: plant identification, planting of trees and shrubs, turfgrass management, maintenance of plants and landscapes, and designing landscapes. The class also focuses on leadership activities in the National FFA Organization. See Landscaping standards listed under 'Agricultural Classes' at [www.davidcrockett.ffanow.org](http://www.davidcrockett.ffanow.org).

## **Farm to Fork**

**Prerequisite: None**

**Credit: 1**

This class will focus on social movement of Farm-to-table agriculture. Students will have the opportunity to learn about farmers markets, community gardening, locally grown produce, and marketing fresh products to consumers. Special attention will be directed toward annual garden crops such as tomatoes, peppers, corn, cucumbers, squash, and zucchini.

# **BUSINESS TECHNOLOGY**

## **Accounting I**

**Prerequisite: Algebra I**

**Credit: 1**

This course introduces concepts and principles based on a double-entry system of maintaining the financial records of a sole proprietorship, partnership, and corporation. It includes analyzing business transactions, journalizing, posting and preparing worksheets and financial statements. Basic accounting principles taught.

## **Computer Applications**

**Prerequisites: None**

**Credit: 1**

This course is designed to develop computer technology skills. Students will use a variety of software and hardware tools. Microsoft Office Suite will be used for this class.

### **Service Learning**

**Prerequisite: Junior/Senior**

**Credit: 1**

This class is designed to help students develop knowledge and critical thinking skills while addressing genuine community needs. Mastering the standards will enable students to develop personal integrity based on positive values; to learn respect and responsibility; and to learn citizenship in schools, and community.

### **Business Management**

**Prerequisite: None**

**Credit: 1**

This course will focus on management styles and basic understanding of running a business from a management point of view. Businesses will be researched and discussed.

### **Personal Finance**

**Prerequisite: Senior**

**Credit: 1**

This course is designed to develop skills in financial principles. The students will discuss credit institutions and opportunities, financial resources, and the effects on individuals as well as businesses. Ethical issues are also discussed in this class.

### **Business Economics**

**Prerequisite: None**

**Credit: 1/2**

This course provides an in-depth study of fundamental concepts, free enterprise trading practices, and the various players in the economic system. Topics include the production, marketing and distribution of goods and services, as well as the roles of financial institutions, the government, and the individual within the free enterprise system. Students will explore various careers related to the economy. International trade and economics have become an integral part of business economics.

*NOTE: Business Economics substitutes for Economics Credit.*

### **Criminal Justice**

**Prerequisite: None**

**Credit: 1**

It serves as a comprehensive survey of how the law enforcement, legal, and correctional systems interact with each other in the United States. Upon completion of this course, proficient students will understand the context of local, state, and federal laws, have investigative skills pertaining to basic crime scenes and incident documentation, and understand the importance of communications and professionalism in law enforcement.

# FAMILY & CONSUMER SCIENCE EDUCATION

## Culinary Arts I

**Prerequisite: (FACS Preferred)**

**Credit: 1-2**

This course prepares students for gainful employment and/or entry into post-secondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career opportunities and by developing food preparation, service and interpersonal skills. Laboratory facilities and experiences simulate commercial food production and service operations.

## Culinary Arts II

**Prerequisite: Culinary Arts I**

**Credit: 2-3**

This course prepares students for gainful employment and/or entry into post-secondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills, and teamwork to manage an environment conducive to quality food production and service operations. Laboratory facilities and experiences simulate commercial food production and service operations.

## Culinary Arts III

**Prerequisites: FACS, Culinary I and II**

**Credit: 2-3**

This course, which is the third level of Culinary Arts, serves as a capstone course. It too prepares students for gainful employment and/or entry into post-secondary education in the food production and service industry. Content provides students the opportunity to apply the marketable culinary arts skills they have acquired by assuming increasingly responsible positions including participation in a cooperative education experience.

## Projects in Culinary Arts & FCCLA Competition

**Prerequisites: FACS & Competition Teams**

**Credit: 1**

Students who want to compete in FCCLA will have the opportunity to develop and execute projects related to culinary arts. You will have the opportunity to do community service projects for your school and/or community. Students MUST be available to compete in Regional, District, and National level of competition.

# HEALTH SCIENCE

## Health Science Education

**Prerequisite: None**

**Credit: 1**

This course is an introduction designed to prepare student to pursue careers in the fields of biotechnology research, therapeutics, health informatics, diagnostics, and support services. Upon completion, students will be able to identify careers, compare and contrast the features of healthcare systems, explain the legal and ethical ramifications of the healthcare setting, and begin to perform foundational healthcare skills.

## **Anatomy and Physiology**

**Prerequisite: Biology**

**Credit: 1**

A & P is an upper level course designed to develop understanding of the structures and functions of the human body, while relating those to knowledge and skills associated with pathophysiology. Upon completion students will (1) deepen understanding of body systems, (2) identify organs & structures of support and movement systems, (3) related structure and function of communication, control and integration systems, (4) demonstrate professional working understanding of transportation, respiration, excretory, and reproductive systems.

## **Medical Therapeutics**

**Prerequisite: Health Science Ed.**

**Credit: 1**

This course provides knowledge and skills to maintain or change the health status of an individual over time. This could include careers such as dental, dietetics or medical assistants, home health, nursing, pharmacy, respiratory, social work, nutritionist, physician, psychiatrist, psychologist, veterinarian, and others. Here at DCHS, we offer a certification in Pharmacy Technician. Students who are 18 may take the state certification test.

## **Issues in Health Science/Forensics**

**Prerequisite: Biology & Health Science Ed.**

**Credit: 1**

This course is an overview of how science is applied to solving crimes. Topics including history of forensic science, collecting of evidence, analyzing results and hands-on applications of many laboratory techniques used in solving crimes and identifying people and future careers. Students will participate in a mock (staged) crime scene to apply knowledge and skills gained. Jobs include forensic nurses, odontologists, pathologist, psychiatrists, crime scene investigators, medical examiners/coroners, forensic technicians, criminalists, toxicologists, wildlife specialists, forensic engineers, accountants, computer specialists, aviation and construction accident investigators, forensic photographers, skull reconstructionist, document and polygraph examiners. Grade 11-12

## **Emergency Medical Services**

**Prerequisite: Health Science Ed. & Biology**

**Credit: 1**

Designed for students who are interested in becoming an emergency room physician, emergency medical technician, paramedic, or emergency room nurse. Students may take the EMT course at North East State Community College their Senior year and become nationally certified. Grade 11-12

## **Medical Terminology**

**Prerequisite: Health Science/Medical Therap./A&P**

**Credit: 1**

This course is designed to provide students with the opportunity to develop working knowledge of the language of healthcare professionals. Students will acquire vocabulary building and problem solving skills by learning prefixes, suffixes, roots, combining forms and abbreviations commonly used in the medical field. Utilizing a body system approach, students will define, interpret and pronounce medical terms related to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Upon completion, proficient students will be able to communicate fluently in the language of medicine when working in the healthcare setting.

## Rehabilitation Careers

**Prerequisite: Health Science &/or Anatomy & Physiology**

**Credit: 1**

This is an applied course designed to prepare students to pursue careers in rehabilitation services. Athletic Training, Physical Therapy, Occupational Therapy, Speech Therapy, Music Therapy, and Pet Therapy, are among some of the careers covered in this class. Upon completion, a proficient student will identify careers, recognize disease, disorders or injuries related to rehab. services, correlate the related anatomy and physiology, and develop a plan of treatment.

## Professional Workforce Development for the Healthcare Profession

**Prerequisite: None**

**Credit: 1**

This course will provide an overview to help develop understanding of what it takes to be a professional in the industry of healthcare, beginning with development of career related materials such as a resume, letter of intent, and interviewing tips. All work will be critiqued and corrected, then will be placed in a portfolio for the student to have after graduation and apply to their career endeavors. Students will have access to professionals in local healthcare field to aid in understanding of interviews and what it takes to remain professional after establishing a career. Students will also be involved in service learning activities to be able to put their professional development skills to the test and see what it take to be in the public workforce.

# MARKETING EDUCATION

## Marketing and Management Principles I

**Prerequisite: Junior or Senior**

**Credit: 1**

Marketing and Management I focus on the study of marketing concepts and their practical application. Students will examine risks and challenges marketers face to establish a competitive edge. Subject matter includes economics, marketing foundations/ functions, human resources, sales promotion, selling, advertising, and human resource leadership development. Skills in communication, mathematics, economics and psychology are reinforced in this course.

## Marketing and Management II - Advanced Strategies

**Prerequisite: Junior or Senior**

**Credit: 1**

Marketing and Management II emphasizes marketing concepts and management functions performed by professionals. Students will examine challenges, responsibilities, and risks managers face in today's workplace. This class emphasizes the development of decision making skills so that students understand management-oriented challenges. Subject matter includes finance, entrepreneurship, risk management, marketing information systems, purchasing, human resource skills, and leadership development. Communication, interpersonal and mathematical skills are reinforced in this course. *Students* are encouraged to take Marketing I prior to enrolling in this course.

## Entrepreneurship

**Prerequisite: Junior or Senior**

**Credit 1**

The Entrepreneurship course will provide the high school student with the opportunity to analyze and evaluate the various aspects of business ownership in today's marketplace. The student will also be involved in the actual process of developing a business plan and then determining its opportunities for success. Throughout this course the student will relate the foundations of marketing and business management to real-life entrepreneurial

### **Work-Based Learning/Co-op**

**Prerequisite: Junior or Senior**

**Credit: 1**

Work Based Learning, better known as CO-OP, allows students to leave school 1 block early in order to work at an area business. Students that CO-OP are required to work an average of 10 hours per week for the entire semester. Students intending to CO-OP must enroll in a Marketing class, have passed all state required exams, maintain a 90% attendance rate, and keep a clean discipline record. A maximum of four credits may be earned in a given year through the Marketing Program.

## **TRADE AND INDUSTRIAL EDUCATION**

### **Principles of Cosmetology**

**Prerequisite: None**

**Credit: 2-3**

Cosmetology provides a 3-year curriculum for the teaching of professional hair dressing skills. Upon completion of 1,500 hours and successfully passing state board exam, any student will be employable as a cosmetologist. Any student desiring to become a nail technician must complete 600 hours and a state board examination.

### **Design Principles of Cosmetology**

**Prerequisite: Principles of Cosmetology**

**Credit: 2-3**

This course of Cosmetology is designed for second year students and focuses on hair coloring, permanent waving, facials and other advanced styling techniques.

### **Chemistry of Cosmetology**

**Prerequisite: Principles of Cosmetology**

**Credit: 2-3**

Chemistry of Cosmetology is set aside for third year students. This course teaches students the chemistry of various products for skin, nails, and hair, as well as provides them with hands-on experience, including lab work on mannequins and patrons.

### **Foundations of Technology**

*(Wood Tech. I)*

**Prerequisite: None**

**Credit: 1**

This program has been built on the constructivist model; students participating in the program learn concepts and principles in an authentic, problem-based environment. A network of teachers (EbD™ Network) has been selected to collaborate and conduct action research in order to better understand the complexities of student learning and to help all students succeed and be prepared for the global society in which they will live.

### **Technological Issues**

*(Wood Tech. II)*

**Prerequisite: Foundations of Technology**

**Credit: 1**

Inventions and Innovations provide students with opportunities to apply the design process in the invention or innovation of a new product, process, or system. In this course, students will learn all about invention and innovation. They will have opportunities to study the history of inventions and innovations, including their impacts on society. They will learn about the core concepts of technology and about the various approaches to solving problems, including engineering design and experimentation. Students will apply their creativity in the invention and innovation of new products, processes, or systems. Finally students will learn about how various inventions and innovations impact their lives.

### **Digital Arts Design I**

**Prerequisite: None**

**Credit: 1**

This course is designed to introduce the student to entry-level skills for a variety of jobs in the printing industry. The student is instructed by classroom lecture, demonstration, and hands-on experience. Desktop publishing is also taught.

### **Digital Arts Design II**

**Prerequisite: Digital Arts Design I**

**Credit: 1**

Students improve their skills and knowledge of the printing trade by advanced training on machine operation and theory. Skills for seeking and keeping employment are also covered.

### **Apparel Design**

**Prerequisite: Digital Arts Design I & II**

**Credit: 1**

Apparel Design is a third course in the Digital Arts & Design program of study. Applying design skills developed in prior courses, students will expand their creative and critical thinking skills to create comprehensive apparel design projects and three-dimensional designs. Upon completion of this course, proficient students will be able to use industry-standard software to create apparel design projects. Students will utilize research techniques to plan and enhance project outcomes. Standards in this course also include professionalism and ethics, career exploration, and business and project management. In addition, students will continue compiling artifacts for inclusion in a digital portfolio, which they will carry with them throughout the full sequence of courses in this program of study.

### **Architectural & Engineering Design I (CAD)**

**Prerequisite: Alg. I or Geometry or concurrently taking**

**Credit: 1**

This is an introductory course in the technological field of Engineering Design. The first semester will concentrate on learning the computer aided drafting and design software. The second semester will utilize the computer aided drafting and design equipment to create one-view drawings, orthographic projection, 3-view drawings, pictorial drawings (oblique, cabinet, and isometric), and dimensioning techniques. A good background in math is helpful.

### **Architectural & Engineering Design II (CAD)**

**Prerequisite: Architectural & Engineering Design I**

**Credit: 1**

These classes are advanced engineering design courses concentrating on technical and architectural drafting. Advanced students will have the option to pursue technical or architectural drafting. Areas covered in technical drafting will consist of dimensioning, orthographic projection, sectional views, auxiliary views, gears, cams, pictorials, fasteners, and blue print reading. Areas covered in architectural drafting will consist of dimensioning floor plans, foundation drawings, elevation drawings, electrical layouts, detailed drawings, (wall sectionals, stairs, and fireplaces) door and window schedules, plot plans, and pictorial drawings. Up to nine credits can be earned throughout high school.

### **Architectural & Engineering Design III**

**Prerequisite: Adv. CAD**

**Credit: 1**

This is an advanced class set aside to those exploring the careers available in the engineering and manufacturing fields. Students will produce engineering designs for structures and produce workable engineering designs according to specifications and within given constraints. Students within this course will also analyze the impact of quality and cost, productivity, product design, and the manufacturing processes as well as implement quality assurance (QA) inspection and test procedures in a manufacturing environment.

### **Principles of Machining and Manufacturing**

**Prerequisite: Algebra I**

**Credit: 1**

Students learn the basic principles of manufacturing. This will include blueprint reading, measurements, and marking parts. They will become proficient with cutting tools and machines such as lathes, milling machines, wire EDM, CNC milling machines, etc. The cluster of classes offered will enable a student to do jobs from machine operators to tool and die makers to engineering. Emphasis is placed on quality control, codes and standards, and production systems. The course connects what is being learned to the learner's current experience, past knowledge, and future conduct.

### **CNC Programming**

**Prerequisite: None**

**Credit: 1**

Students will learn how to program Manufacturing Equipment like CNC Mill, CNC Lathe, and a CNC Wire EDM. These machines are used in local industry and across the world. This is a great opportunity for students to be able to get a wealth of knowledge that could increase their salaries in the Manufacturing World.

### **Principles of Manufacturing**

**Prerequisite: None**

**Credit: 1**

Principles of manufacturing focuses on the essential principles that must be mastered for a person to be effective in manufacturing production work. The course is intended for students more interested in production than engineering. The course covers customers, quality principles and processes, systems, information in the workplace, the business of manufacturing, and statistical process control.

### **Introduction to Welding**

**Prerequisite: None**

**Credit: 1**

Principles of Welding is a course in which students will learn basic skills and knowledge related to cutting and welding applications. Welding and cutting skills will be developed through a series of projects. Combined with the second year course, *Welding Applications*, the student should be prepared for Entry Level Welding Certification, as defined by American Welding Society (AWS).

### **Advanced Welding**

**Prerequisite: Principles of Welding**

**Credit: 1**

This course will teach advanced techniques and skills related to cutting and welding applications particularly stainless steel and aluminum. Upon successful completion of this course, students will be prepared for Entry Level Welding Certification as defined by the American Welding Society.



### **Pipefitting**

**Prerequisite: Welding I, Alg I, and Geometry**

**Credit: 1**

This is an advanced welding class which teaches welding of pipe as well as layout of piping configurations. Set-up and design of piping systems both welded and threaded is taught, as well as pipe threading.

### **Medieval Engineering**

**Prerequisite: None**

**Credit: 1**

This class will be about safety, using hand tools, woodworking machines, designing cars with a twist, and medieval weaponry. The students will experience history and woodworking math along the way. Students who are truly interested in working in a project base environment need to apply.

### **Fundamentals of Construction**

**Prerequisite: None**

**Credit: 1**

### **Residential & Commercial Construction I**

**Prerequisite: Fundamentals of Construction**

**Credit: 1**

### **Residential & Commercial Construction II**

**Prerequisite: Residential & Commercial Construction I**

**Credit: 1**

### **Brick Sculpture**

**Prerequisite: Construction Core**

**Credit: 1**

Students will learn to carve brick for 3 dimensional design.

### **Automotive Transportation Core**

**Prerequisite: None**

**Credit: 1**

Students will learn skills necessary for entering the automotive repair industry including is an in-depth study of each unit of the automobile. Completion of this course will provide the student with necessary skills for an entry level job at the service station mechanic level. Some subject areas covered are safety, tools and equipment, wheels and tires, ignition systems, charging systems, brakes, fuel systems, cooling systems, drive trains, steering and suspension systems, and use of shop manuals.

### **Automotive Maintenance and Repair**

**Prerequisite: None**

**Credit: 1**

Course will focus on brakes, suspension, electronics, and diagnosis for automobiles.

### **Collision Repair Non-Structural**

**Prerequisite: Transportation Core**

**Credit: 1**

This course prepares students to analyze collision damage to a vehicle, determine the extent of the damage, direction of impact, initiate appropriate repair plan, and correctly use equipment to fit metal. This course prepares students for an entry-level job, advanced training, or post—secondary education. Upon completion of this course, students are eligible to take the ASE written exam for Non-Structural Analysis and Damage Repair.

### **Automotive Restoration**

**Prerequisite: None**

**Credit: 1**

Class will learn how to repair and restore vehicles.

### **Collision Repair Structural**

**Prerequisite: None**

**Credit: 1**

Introduction to basic principles of collision repair is taught. One semester is devoted to class work and one semester is devoted to shop work.

### **Paint and Refinishing**

**Prerequisite: Collision Repair**

**Credit: 1**

This course helps students understand top coats, undercoats, stripping, and paint stripping of colors. The course allows students hands-on experience using water sanding, dry sanding, and free hand brushing. Students are also taught to use gravity paint guns, clear coat guns, primer guns, and how to clean and care for the equipment.

### **Introduction to Electromechanical Systems**

**Prerequisite: Architecture Const. & member of FRC Robotics or TSA Credit: 1**

This class will serve as an introduction to the automation industry. Topics discussed will include introduction to machine automation, PLC, industrial robotics, Vex programming and FRC Robotics.

# VISUAL AND PERFORMING ARTS

## Art I

**Prerequisite: None**

**Credit: 1**

Students receive basic instruction in the foundations of art. This 18 week course explores the basic elements and Principles of Art. A variety of media such as pencil, paint, and ink are used. Units in pottery, lettering, color theory, and low relief round out the instruction. This course is the prerequisite for the next level of art.

## Art II (Advanced Art)

**Prerequisite: Art I**

**Credit: 1**

An intensive advanced course in design, composition, drawing techniques, and painting. Students must provide their own sketchbooks. A comprehensive design unit and fiber design is the foundation for most of the projects in this course. Drawing materials include colored pencils, ink, and pencil. Painting will concentrate on transparent watercolors, tempera, and acrylics. Additional work will be done in printmaking and ceramic sculpture. Third and fourth year students will explore calligraphy, scratchboard, papermaking, and handmade books. A student may take this course up to three years and earn a total of three credits in Art II.

## Photography

**Prerequisite: Application Required; GPA 3.0**

**Credit: 1**

**Appropriate school attendance**

*Admission to class is by application with final decision being made by panel.* This class is open only to 11th-12th grade. Selected students must be highly motivated, dependable, and responsible students due to the expensive equipment used. This class provides instruction in black and white processing with emphasis on artistic expression while learning the technical aspect of the camera. History, vocabulary, basic use of a 35 mm Single Lens Reflex camera, elements of photography, and proper presentation of work are areas covered. Students will develop and print enlargements of their photographs as part of the darkroom exercises. Digital photography will be explored second nine weeks. Transferring the skills learned on the 35 mm SLR cameras to that of Digital SLR cameras will prepare the students to take better photographs. The digital darkroom and a basic understanding of computer software for photography is taught in this nine weeks. A \$10 fee is approved by the school board to help defray the cost of materials.

## Needle/Fiber Art

**Prerequisite: None**

**Credit: 1**

Adorning fabric with colorful fibers of cotton, wool and silk have been practiced from very early history. These adornments have had cultural, religious and practical applications. Young girls were trained in needle art through creation of the sampler as a way to learn their numbers and letters as well as practice the stitches necessary to run a household. This course will explore many different types of needle work starting with the traditional sampler, then as the weather gets colder, we will work with crocheting and knitting and hopefully create a school quilt in the spring.

### **Introduction to Fine Arts**

**Prerequisite: None**

**Credit: 1**

This participation based singleton will be an introductory survey divided into four parts taught by four different personalities that emphasize self-expression and creative thought: Arts & Crafts, Acting, Dance, Popular Culture. Each component will introduce different aspects of the arts taught in an engaging manner that will help students gain an appreciation for the arts, as well as building a student's self-confidence.

### **Introduction to Theatre**

**Prerequisite: None**

**Credit: 1**

This is a great entry level class for students interested in theatre arts. In the course, the students will study theatre history, vocabulary, play reading and play analysis, etc. Although this is considered a "non-performance" class, small performances will occur and students are expected to participate.

### **Theatre Arts II**

**Prerequisite: B or higher in Intro to Theatre; Good attendance & behavior record, C or higher in English, Application and Interview**

**Credit: 1**

This is a performance class. Students are expected to come to class, dressed appropriately, and to participate daily. Students are also required to contribute to the school production which means they will have to devote time after school. This class is very active and students must be trusted, obedient, and present.

### **Film Studies**

**Prerequisite: None (not recommended for freshman)**

**Credit: 1**

In this class, students will study the history of Hollywood, watch films and write evaluations. Each film shown in the class is deemed culturally important and artistically influential. Students will learn to view movies differently and express their opinion in a more persuasive, educated way.

### **Instrumental Band**

**Prerequisite: Band Experience**

**Credit: 1**

Band, marching and concert, combine skills learned in previous band situations with new concepts which create a learning experience that will enhance any student's development. Fall semester's primary focus will be Marching Band and spring semester will focus on Concert Band.

### **Vocal Music I - Pioneer Voices**

**Prerequisite: Musical / Instrumental experience is preferred, but not required**

**Credit: 1**

Limited space is open to all students, male or female. Students will learn fundamental music elements, like reading note names, rhythms, and other symbols necessary to interpret vocal scores of various genres and styles. In addition, students will learn appropriate vocal techniques, which will be demonstrated through performance. Concerts, on or off campus, are required; costuming is the financial responsibility of the student. Prior experience is preferred, but not necessary.

### **Vocal Music II - Crockett Congregation**

**Prerequisite: Vocal audition and character reference.**

**Credit: 1**

Open to all students, male or female upon successful vocal audition. Students will learn fundamental music elements, like reading note names, rhythms, and other symbols necessary to interpret vocal scores of various genres and styles. In addition, students will learn appropriate choral techniques, which will be demonstrated through multiple performances. Concerts and after-school practices, on or off campus, are required; costuming is the financial responsibility of the student. Space is limited, and auditions will occur at the close of each semester.

### **Vocal Music - Madrigals**

**Prerequisite: Vocal audition & character reference**

**Credit: 1**

Limited space for equal number of male and female students upon exceptional vocal audition. Students will learn fundamental music elements, like reading note names, rhythms, and other symbols necessary to interpret vocal scores of various genres and styles. In addition, students will learn appropriate choral techniques, which will be demonstrated through multiple performances. Numerous concerts and after-school practices, on or off campus, are required; costuming is the financial responsibility of the student.

### **General Music**

**Prerequisite: None**

**Credit: 1**

Students will learn basic music fundamentals like note reading, rhythm reading, and other musical elements. In addition, students will learn about significant composers and music from a variety of time periods and cultures. Several musical eras and characteristics of specified eras will be discussed. Students will be asked to participate in individual and group projects and presentations as well as class discussions and take-home assignments.

### **Guitar**

**Prerequisite: None**

**Credit: 1**

Beginner to Advanced guitar players. All welcome. A variety of music styles will be explored. It is not necessary that a student provide their own guitar, although it would allow for more practice opportunities.

# SPECIAL SERVICES

## SE English (9, 10, 11 & 12)

**Prerequisite: IEP Team Determination**

**Credit: 1**

Incorporating accommodations as prescribed by the student's IEP and specialized instruction, these courses are designed to develop skills in grammar, spelling, listening, reading, speaking, thinking, and writing with the course content at the appropriate grade level.

## SE Algebra IA & IB

**Prerequisite: IEP Team Determination**

**Credit: 1**

Incorporating accommodations as prescribed by the student's IEP and specialized instruction, this sequence of courses is designed to use problem situations, physical models and technology to extend algebraic thinking and engage reasoning and to provide adapted instructional methods for content competency.

## SE Geometry 1A & 1B

**Prerequisite: IEP Team Determination**

**Credit: 1**

Incorporating accommodations as prescribed by the student's IEP and specialized instruction, this sequence of courses is designed to provide students with a rigorous curriculum that incorporates direct instruction, hands-on learning through use of manipulative, projects, and technology.

## SE Biology IA & IB

**Prerequisite: IEP Team Determination**

**Credit: 1**

Incorporating accommodations as prescribed by the student's IEP and specialized instruction, this sequence of courses are designed to provide students with classroom and laboratory experiences to explore life. Students survey biochemistry, genetics, the five kingdoms of living things, comparative anatomy and ecology. Instructional delivery is designed and applied to provide adaptive methods for teaching and learning.

## Life Skills I and II

**Prerequisite: IEP Team Determination**

**Credit: 1 each**

This class teaches life skills with a concentration on job skills and transition services.

## Comprehensive Developmental Classroom

**Prerequisite: Entrance by IEP only**

## Wellness for CDC

**Prerequisite: None**

**Credit: 1**

The curriculum will integrate concepts from the areas of health, physical fitness, and wellness.

## Success Skills Service Learning - PEERS

**(Partnering Education Encourages Relationships of Students)**

**Prerequisite: Application/Interview Required**

**Credit: 1**

PEERS is a service learning course which takes place in the Comprehensive Development Classroom (CDC) setting. Participation with the students and staff will be the primary component, along with minimal written assignments. Participants will be expected to interact in the daily schedule of students and staff in the CDC setting. Participants will act as role models and encouragers in the education of the CDC students. Be prepared to experience seeing things from a new perspective. Limited spaces available.

*\*\*Specific requirements include: must be on track to graduate; good attendance; no out of school suspensions.*

# **ADDITIONAL INTERVENTION CLASSES 2015-16**

## **ACT Prep (10<sup>th</sup> and 11<sup>th</sup> grade)**

**Prerequisite or Co-requisite: English I - Advanced (completed); English II- Advanced (completed or enrolled); English III – Advanced or AP (enrolled); Advanced Geometry (completed or enrolled) or Advanced Algebra II (enrolled)**

Do you want to get into the college/ university of your choice?  
Do you want to get a better scholarship or more money for college?  
Do you want a 30 or higher composite score on your ACT?  
This class is for you!

This course is designed to orient 10<sup>th</sup> and 11<sup>th</sup> grade students with the ACT (a standardized, timed test used for college admissions) and its components (language arts, math, reading, and science reasoning). Its focus will be to identify areas of strengths and weaknesses and to review what skills a student needs to know before taking the ACT. The techniques, drills, and practice tests within this class are intended to help raise one's ACT score. The goal of this course is for students to achieve better university choices and better scholarships (more money) for college/university.

## **College and Career Preparation (10<sup>th</sup> and 11<sup>th</sup> grade)**

**Prerequisite: None**

**Credit: 1**

The purpose of this course is to better prepare students to meet ACT college benchmarks. Students will have an opportunity to practice, pre-teaching, re-teaching and/or explicit teaching of essential reading skills (e.g. fluency, comprehension, academic vocabulary, writing) and math skills (e.g. computation, problem-solving) necessary to meet these college benchmarks.

### **Strategic Algebra**

First semester will focus on skill gap closure. The second semester will focus on academic standards for Algebra I.

### **Strategic Reading**

Designed for students who are not reading on grade level.

## Glossary of Common High School Terms

**AP (Advanced Placement):** Courses are designed to be taught on the college-level with a high level of course rigor. They are taught by DCHS faculty. Upon completion of the course the students can take a national exam and attain 3 hours of college credit for a passing score. There is a fee for the test.

**Articulation:** Agreement between DCHS and Northeast State provide the chance for students to earn college credit for technical courses while still at DCHS. These students complete their regular high school technical course and are given the opportunity to test at the end of the course to receive articulation credit.

**CTE (Career and Technical Education):** Classes that help prepare students for specific career area such as cosmetology, automotive, welding, etc. Many of these classes have a more hands-on curriculum that allows students to work in an environment that stimulates their future job environment.

**Common Core State Standards (CCSS):** Curriculum standards adopted by the state which will be fully implemented in the class of 2017.

**Credit:** The representation of completed coursework in any class; for example, if you pass English 9, you earn one credit.

**Credit Recovery:** Students use the credit recovery lab during regular school day to “recover” or make-up credits not earned due to class failure. Students work through Nova Net computer curriculum for their class and the average earned is then averaged with their original class grade to attain the passing grade and credit. Students must have at least a 50 average to participate in credit recovery and juniors and seniors always have first priority to the lab space.



**EOC (End of Course) Exams:** Required, standardized exams from the state of Tennessee; students must take EOC's in English 9, 10, & 11, Algebra I & II, Biology, and U.S. History. The exams count for 25% of the final nine weeks grade for the course. If a student misses the exam, they must take it during the next testing cycle or they will receive a failing grade and have to repeat the course. If an exam is referred to as an *AYP* (average yearly progress) exam, it is used to calculate data that appears on the state report card for the school.

**Dual Credit:** Courses taken at a college; students receives both high school and college credit fro the successful completion of the course. For example, a college English course that satisfies both English 12 and freshmen college English. There are tuition and book fees. Financial assistance can help with the costs.

**Dual Enrollment:** A student in enrolled as a student at DCHS and another school (Northeast State, ETSU, Walters State, TTC); students are taking classes from both schools and usually receiving college credit for the course taken at the other school.

**EPAS Testing:** Tests include Explore (8th Graders), Plan (10th Graders), and ACT (11th Graders) which are all produced by the ACT Corporation. The ACT is the college entrance exam most commonly used in our region. Aspire and Pre-Act help predict a score for a student on their ACT and helps them to prepare for that junior year exam.

**EPOS (Early Post Secondary Opportunities):** These include dual enrollment, dual credit, Advanced Placement and Industry Certification.

**GPA (Grade Point Average):** Average of all semester grades the student earns in high school. Each letter grades is worth a point value; A=4, B=3, C=3, D=1, and F=0. The semester grades come from the two nine week's grades being averaged together.

**IEP (individual Education Plan):** This plan is designed to help a special education student be most successful in school. It is developed through collaboration between special education teacher, regular education teacher, parents, students, administrators, and counselors and is reviewed and up-dated during an IEP meeting each year.

**Jumpstart:** College-level courses are taught by Northeast State professors on the DCHS campus. Upon successful completion of the course, the students will receive 6 hours of college credit from NES. Students must dual enroll with NES and pay tuition and book costs for the class. Financial aid to help with this expense is available.

**NAIA Clearinghouse:** Organization that governs eligibility for college athletes. Student athletes that plan to play sports at college level must register with the Clearinghouse beginning in the Junior year and requirements fulfilled.

**NCAA Clearinghouse:** Organization that governs eligibility for college athletes in Division I and II schools. Student athletes that plan to play sports at college level must register with the Clearinghouse beginning in the Junior year and requirements fulfilled.

**On-line Classes:** Classes offered through the Niswonger Foundation which students participate in outside of regular school day. They can occur during any semester, including summer. Students correspond with a teacher from a local high school who grades assignments and reports those grades. Learning is self-disciplined.

**PPP (Pioneer Parents & Partners):** School-wide parent organization; membership is open to everyone and there are no dues.

**POS (Program of Study):** Specific courses and course sequence that students follow when choosing a CTE elective focus.

**TVAAS (Tennessee Value Added Assessment System):** Value-added assessment is based on the year-to-year achievement of individual students. Gains are measured by comparing each student's annual test score increase to his/her year-to-year increases in previous years. If the gains obtained by the students of a given teacher, school, or school system meet or exceed the rate of increase exhibited by those same students in previous years, that teacher, school, or school system is said to be doing a good job. If the increases are less than those of previous years, the teacher, school, or school system is said to be in need of improvement. In short, value-added assessment is a form of statistical analysis that can ascertain whether the students taught by a teacher, school, or school system are obtaining a year's worth of achievement growth per school year.

**Purchased with Title I School-wide  
Funds for Parental Involvement  
in Compliance with  
Section 1118 NCLB  
David Crockett High School  
Washington County Board of Education**

*Updated February 2018*