

HORRY COUNTY SCHOOLS
MONITORING REPORT – R-5 Career and Technology Education (CTE)

I certify that the information in this report is true.

Signed: *Rick Maxey* Date: 3-4-21
 Rick Maxey, Superintendent

Disposition of the Board:
 In compliance
 Not in compliance
 Compliance with exception

Signed: _____ Date: _____
 Ken Richardson, Board Chair

Comments: _____

Other Academic Majors-- Career and Occupational Majors	Supt	Supt	Board	Board
	In compliance	Not in compliance	In compliance	Not in compliance
Each student will achieve mastery of performance standards in Career and Occupational Majors.	✓			

Interpretation: I interpret this policy to mean that Horry County Schools will implement courses of study that are aligned with the South Carolina Department of Education Career and Technology Standards. These majors fall within the sixteen career clusters as outlined by the State Department of Education (SDE). The district will conduct interest inventories to determine program/major needs for the changing job market and will submit innovative course plans for courses, which are not currently part of the SDE approved programs.

I further interpret this to mean that the staff will regularly monitor and evaluate the instructional programs at each school offering career and technology courses as part of the ongoing efforts to improve student learning and preparation for college and career readiness. Staff will also provide ongoing support by providing professional development opportunities and supplemental financing for needed equipment, facilitating development of curriculum and assessments, and implementing new programs. The district will monitor career-and technology-program performance on state proficiency standards.

The district will monitor and support nationally recognized student organizations in order to afford students the opportunity to demonstrate skills learned through competitive and leadership activities on the local, state, and national levels.

Indicators of Evidence and Compliance: The District is in full compliance of this policy. Evidence is listed below:

1. Horry County Schools curricula and course offerings are aligned with the SDE approved Career-and Technology-Education standards.
2. The Perkins V accountability system evaluates the extent to which a state's CTE concentrators meet state-determined levels of performance across several secondary and postsecondary indicators of performance. These indicators include the following:

Perkins V Indicator	SC Perf Goal (Perkins V)	
	HCS %	
1S1: Four-Year Graduation Rate	98.87	91.0
2S1: Academic Proficiency in Reading/Language Arts	85.86	68.0
2S2: Academic Proficiency in Mathematics	95.25	61.5
2S3: Academic Proficiency in Science	90.00	N/A
3S1: Postsecondary Placement	99.61	95.5
4S1: Non-traditional Program Enrollment	13.77	14.8
5S1: Attained Recognized Postsecondary Credential	37.15	N/A

- Horry County Schools Career and Technology (CTE) programs met state performance standards within four of the state performance indicators for the 2018 as aligned with the implementation of Perkins V federal legislation. (1S1; 2S1; 2S2; 3S1) *(Latest data available through state department.)*
 - Measurement data is not yet available for Indicators 2S3: Academic Proficiency in Science and 5S1: Attained Recognized Postsecondary Credential but will be made available in future yearly reports.
 - The indicator not met was
 - 4S1 - Nontraditional Program Enrollment (females and males enrolling in nontraditional career roles as outlined by the SCDE.). The State Performance Goal was 14.8% and HCS was 13.77%.
3. Rigorous and challenging career and technology courses are available to all HCS students in order to equip students with necessary skills to be successful within the 21st Century job market.
 4. Equipment and supply needs for CTE programs are reviewed annually by local and district CTE advisory committees in order to ensure students are exposed to equipment relevant to current industry utilization. Funding allocations for schools are determined through a formula incorporating total number of CTE students enrolled in courses at the school and the number of CTE program completers.

5. Horry County Schools CTE Majors: (Majors in **blue** were introduced to schools for the 2020-2021 school year.)

Academy for the Arts, Science & Technology (AAST)

- Media Technology
- Computer Science (*Programming and Software Development*)
- Web and Digital Communications
- Pre-Engineering (*Core*)
- Environmental Engineering (*Clean Energy*)
- Aerospace Engineering
- Innovations of STEM
- Health Science-Introduction to Pre-medicine
- **PLTW Biomedical Sciences**
- **Networking Systems**
- **Informatics**
- **Global Logistics**

Academy for Technology and Academics (ATA)

- Automotive Technology
- Building Construction Technology
- Paralegal System Technology
- Cosmetology
- Culinary Arts
- Digital Arts and Design
- Emergency and Fire Management Services
- Esthetics
- Nursing (CNA)
- Pre-medicine
- Health Science (CMAA)
- Project Lead the Way - Pre-engineering

High School CTE Offerings

- Administrative Services (SJH)
- Accounting (MBH)
- Architectural and Mechanical Design (SJH)
- Building Construction (**SH**)
- Business Finance (SJH)
- Business Information Management (AH, CFH, CH, GSFH, **SH, SJH**)
- Carpentry (SJH)
- Environmental & Natural Resources Management (AH, CFH, LH)
- Emergency Medical Services (SJH)
- FCS-Behavioral and Social Science Option 1 (AH, SH, SJH)
- FCS-Culinary Arts Management (NMBH)
- General Management (CFH, MBH, **SH, SJH**)
- Health Science (CH, LH, MBH, **NMBH, SJH**)
- Horticulture (CFH, CH, GSFH, LH, SH)
- Information Support & Services (SH)
- Marketing Communications (AH, CFH, LH, NMBH, SJH)
- Marketing Management (NMBH, SH, SJH)
- Merchandising (SH)
- Operations Management (CFH, LH, SJH)
- Programming & Software Development (CFH, SH, SJH)
- Plant and Animal Science (**AH, CH**)
- Project Lead the Way-Biomedical Science (CFH, CH, **GSFH, LH, NMBH, SH**)
- Project Lead the Way-Engineering (CFH, CH, GSFH, **LH, MBH, NMBH, SH, SJH**)
- Project Lead the Way-Computer Science (AH, CFH, CH, **MBH, NMBH, SJH**)
- Sports Medicine (MBH, SH, SJH)
- Web and Digital Communications (**CH, CFH, MBH, SJH**)

6. PLTW (high school), Gateway (middle school), and Launch (elementary) programs are in all of our schools with the beginning of the 2020-21 school year. The three levels of the Project Lead the Way curriculum each have courses of study in engineering, health science, and computer science.

7. AAST has also introduced Southern Regional Education Board (SREB) engineering programs in Environmental Engineering, Aerospace Engineering, and Innovations of STEM.

8. HCS CTE program operations, along with state and federal funding utilization, is reviewed annually with school and district CTE program advisory committees, students, school staff, and administration from school and district levels. Horry County Schools worked with Horry Georgetown Tech, Georgetown School District, Williamsburg County School District, and Williamsburg Tech and over 25 community leaders in development of the Perkins Comprehensive Local Needs Assessment (CLNA) as part of the Perkins expenditure plans for the Waccamaw Region.

9. HCS CTE Initiatives:
 - Five of our high school health science programs donated PPE supplies from their inventories (with SCSDE approval) to our local hospitals. SCSDE has since given these programs funds to replenish their supplies.
 - Teachers presented at state and national level conferences and served on various state and national committees, focused on Career and Technology Support Organization (CTSO), curriculum, assessments, and textbook adoption.
 - HCS is in the 7th year with the Technical Scholars program in conjunction with HGTC. Seventeen senior students attend HGTC to earn technical-skill training in welding certification.
 - National-and state-approved credentialing with our CTE completers is emphasized within all CTE programs as a major component of career readiness.
 - ATA presented and received approval for an innovative course application to the state department in aviation related to drone-pilot certification, which began in the spring of 2020-21 school year.
 - Nine ATA CTE majors' teachers have been trained virtually on the utilization of Crossflight curriculum within their majors in preparing interested senior in gaining Drone Pilot Certification.
 - Senior students who are in line to be program completers are eligible to take this elective course during the spring semester using Crossflight aviation curriculum. Currently 27 students are enrolled in the class.
 - Students will be able to take part in FAA licensing after successfully completing the course.

10. HCS CTE completers received state and national certifications within the areas of National Health Science Assessment, Certified Nursing Assistant (CNA), Cosmetology, Esthetics, First Aid/CPR/AED, NCCER (Building Construction), Prostart, SERV Safe Manager, Firefighter I & II Certification, First Responder, ASE (Automotive Technology), Online CTE Curriculum and Instructional Materials (ICEV), OSHA, Microburst, Pre-pharmacy, Pre-veterinary Medicine, and Plant Materials. The number of credentials students earned during the spring was less due to testing conflicts with COVID-19 and school closures.
11. For school year 2019-20 even with the COVID-19 epidemic, HCS CTE student organizations had students earn the right to advance to the national level of competition within their competitive events.
12. Work-Based Learning (Middle School and High School)

Work-based learning (WBL) is an educational strategy that provides students with real-life work experiences to apply academic and technical skills and develop employability skills. Individual schools enter their WBL experiences into PowerSchool.

- HCS CTE WBL activities were placed on hold due to the COVID-19 pandemic and school closures during the spring of 2020.
- HCS CTE WBL face-to-face activities were placed on hold due to the COVID pandemic during the fall of 2020.
- During the current school year, middle and high school students have participated in virtual job-shadowing opportunities, such as the following:
 - KUDER Navigator (career assessments and job-shadowing program).
 - Santee Cooper's virtual job-shadowing day.
 - Individual business and industry virtual interviews and presentations. provided on a district level, as well as those developed by CTE teachers.
 - Boeing Team presentations for CTE majors about career occupations.
- Spring CTE internships resumed in February based upon willingness of participation with business and industry, students, and parents. We are working with our teachers in the development of these experiences with students in some of the different CTE majors:
 - Participating with local industry in face-to-face internship activities
 - Participating in school-based enterprise internships
 - Performing virtual school based clinicals with a healthcare sponsor