

HORRY COUNTY SCHOOLS MONITORING REPORT – R-5 CTE

I certify that the information in this report is true.

Signed:  Date: 3/6/2020
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 with this policy. Evidence is listed below:

1. Horry County Schools curricular 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 | | |
|--|-------|--------------------------|
| | HCS % | SC Perf Goal (Perkins V) |
| 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 2017-18 school year as aligned with the implementation of Perkins V federal legislation. (1S1; 2S1; 2S2; 3S1)
 - 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 year 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. Career and technology courses that are rigorous and challenging are provided 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, as well as the total number of program completers.

5. Horry County Schools CTE Majors

Academy for the Arts, Science & Technology (AAST)

- Media Technology
- Programming and Software Development
- Web and Digital Communications
- Core Engineering
- Clean Energy
- Aerospace Engineering Technology
- Innovations of Science and Technology
- Health Science-Introduction to Pre-Medicine

Academy for Technology and Academics (ATA)

- Automotive Technology
- Building Construction Technology
- Business Law and Legal Systems Administration
- Cosmetology
- Culinary Arts
- Digital Arts and Design
- Emergency and Fire Management Services
- Esthetics
- Nursing (CNA)
- Premed
- Health Science (CMAA)
- Project Lead the Way (Pre-engineering)

High School CTE Offerings

- Administrative Services (SJH)
- Accounting (MBH)
- Architectural and Mechanical Design (SJH)
- Business Finance (SJH)
- Business Information Management (AH, CFH, CH, GSFH)
- 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)
- Health Science (CH, LH, MBH, 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 (CH)
- Project Lead the Way-Biomedical Science (CFH, CH, LH, SH)
- Project Lead the Way-Engineering (CFH, CH, GSFH, MBH, NMBH)
- Project Lead the Way-Computer Science (AH, CFH, CH, SJH)
- Sports Medicine (MBH, SH, SJH)
- Web and Digital Communications (CFH, MBH, SJH)

6. PLTW courses were in several of high schools and middle schools for the 2018-19 year, and we have expanded for the 2019-20 year to PLTW programs in all HCS high schools and middle schools (Gateway) with an emphasis on engineering, health science, and computer science. We have also added PLTW Launch in all of our elementary schools with a matching emphasis in these three areas.
7. 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.
8. CTE Initiatives:
 - HCS is in the 5th year with the Technical Scholars program in conjunction with HGTC where 17 senior students attend HGTC and receive technical-skill training in welding.
 - We added PLTW Gateway programs at several middle schools with additional selected courses being offered for 2019-20.
 - We implemented two initiatives within the district:
 - Soft-skills training through Microburst Learning for CTE students
 - National/State approved credentialing with our CTE completers
9. HCS CTE completers received state and national certifications within the areas of National Health Science Assessment, CNA, Cosmetology, Esthetics, First Aid/CPR/AED, NCCER (Building Construction), Prostart, SERV Safe Manager, Firefighter I & II Certification, First Responder, ASE (Automotive Technology), iCEV, OSHA, Microburst, Pre-pharmacy, Pre-veterinary Medicine, and Plant Materials.
10. For school year 2018-19, HCS CTE student organizations had over 50 students to advance to the national level of competition within their competitive events where they were able to utilize their classroom training in real-world simulations. Several of our groups were recognized as outstanding chapters on both the state and national level.
11. Work-Based Learning (Middle and High School)

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

Middle School WBL

Shadowing Day (On-site) – 8th Grade

Aynor Middle, Black Water Middle, Forestbrook Middle, Loris Middle, North Myrtle Beach Middle, and Ocean Bay Middle

Middle School – Structured Field Studies

Aynor Middle School (Aerospace Conference, Columbia SC), Myrtle Beach Middle (Boeing, Charleston, SC)

High School WBL

Shadowing Day (On-Site)

AAST (Digital Communications), **ATA** (ALL Juniors)

Extended Job Shadowing

AAST, **Loris High School**, and **Socastee High School**

Virtual Job Shadowing

AAST (Entertainment Technology, Computer Science, Health Science, and Digital Communications), **Carolina Forest High School** (Business), **Green Sea Floyds High School** (Business), **Loris High School** (Health Science and English 4), **North Myrtle Beach School** (Business), and **St. James High School** (Health Science)

Internships

AAST (Pre-Engineering, Digital Communications, Pre-Med and Computer Science)
ATA (Auto-Technology, Building Construction, Digital Arts, Business, Culinary Arts, C.N.A., Pre-Engineering, and Health Science), **Conway High School** (Sports Medicine), **Myrtle Beach High School** (Health Science and Sports Medicine), **Socastee High School** (Sports Medicine, Marketing, and Health Science), **St. James High School** (Health Science, Sports Medicine, and Architecture Design)

High School – Structured Field Studies

AAST (Brightwater Senior Living, HGTC – Criminalistics Department, Ocean Wood Cemetery, HGTC – Speir Medical Building, Aerospace Conference), **ATA** (Atlantic Packaging, Native Sons, Skyline Signage, HGTC – Culinary Arts, HGTC – Speir Medical Building, Homebuilders Home Show), **Conway High School** (BMW, Tideland Hospital, Nephron Pharmaceuticals, HGTC – Technical Scholars Welding, HGTC Information Technology and Digital Arts Departments, Boeing, Kennedy Space Center, McLeod Regional), **Green Sea Floyds High School** (HGTC – HGTC Technical Scholars Welding), **Loris High School** (HGTC Speir Medical Building, HGTC Technical Scholars Welding), **Myrtle Beach High School** (HGTC Speir Medical Building), **North Myrtle Beach High School** (HGTC Technical Scholars Welding), **Socastee High School** (Chick-Fil-A Headquarters, HGTC Speir Medical Building, HGTC Technical Scholars Welding), **St. James High School** (HGTC – Speir Medical Building and HGTC Technical Scholars Welding)

February 1, 2019 – 2nd Annual Horry County Schools Health Science Career Fair:

Sponsors: Conway Medical Center, Grand Strand Medical, McLeod Health, Tideland Health and Pee Dee AHEC. Schools: AAST, ATA, CHS, MBHS, LHS, SHS, and STJHS.

June 13 or 17 - Tideland Health – Nurses and Extraordinary Day

Sponsor: Tideland Health