

**HORRY COUNTY SCHOOLS
MONITORING REPORT – R-5 CATE**

I certify that the information in this report is true.

Signed:  Date: March 5, 2018
Rick Maxey, Superintendent

Disposition of the Board:

☐ In compliance
☐ Not in compliance
☐ Compliance with exception

Signed: _____ Date: _____
Joe Defeo, 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, supplemental financing for needed equipment, facilitate development of curriculum and assessments, and implement new programs. The district will monitor Career and Technology programs 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 level.

Indicators of Evidence and Compliance: We are in full compliance of this policy. Evidence is listed below:

1. Horry County Schools curriculum and course offerings are aligned with the SDE approved Career and Technology Education standards.
2. Horry County Schools Career and Technology programs met 90% state performance standards within six of the eight state performance indicators for the 2014-15 school year:
 - Indicator 1S1 - Academic Attainment-Reading/Language Arts– Met Standard (HCS Performance 72.03%)
 - Indicator 1S2 - Academic Attainment-Mathematics– Met Standard (HCS Performance 59.08%)
 - Indicator 2S1 - Technical Skill Attainment -Met Standard (HCS Performance 86.57%)
 - Indicator 3S1 - Secondary School Completion– Met Standard (HCS Performance 98.51%)
 - Indicator 4S1 - Student Graduation Rates– Met Standard (HCS Performance 97.82%)
 - Indicator 5S1 - Secondary Placement– Met Standard (HCS Performance 99.68%)
3. The indicators not met were the following:
 - 6S1 - Nontraditional Participation (females and males enrolling in nontraditional careers). The State Performance Goal was 13.14% and HCS was 5.72%.
 - 6S2 - Nontraditional Completion – (Non-traditional concentrators that continued to completed the non-traditional program). The State Performance Goal was 76.70% and HCS was 44.44%.

As part of the improvement plan, we are conducting a summer CATE experience program to introduce rising ninth-grade students both male and female to nontraditional career opportunities

4. We provide career and technology courses that are rigorous and challenging in order to equip students with necessary skills to be successful within the 21st Century job market.
5. The equipment needs for career and technology programs are reviewed annually by local and district CATE advisory boards in order to insure our students are gaining exposure to equipment that is relevant to current industry utilization and needs. CATE funding allocations for schools are determined through a formula incorporating total number of CATE students enrolled in courses at the school as well as the total number of program completers.

6. Horry County Schools CATE Majors.

Academy for the Arts, Science & Technology (AASST)

Introduction to Pre-Medicine
Media Technology
Networking Systems (New)
Pre-Engineering (Core Engineering)
Programming and Software Development-Computer Science
Web and Digital Communications

ACADEMY FOR TECHNOLOGY AND ACADEMICS

Administrative Services
Automotive Technology
Building Construction Technology
Business Law and Legal Systems Administration
Cosmetology
Culinary Arts
Digital Arts and Design
Emergency and Fire Management Services
Nail Technology (Changing to Esthetics for 2018-19)
Nursing (CNA)
Premed
Project Lead The Way with emphasis in Aeronautics Engineering
and Environmental Sustainability

HORRY COUNTY SCHOOL High School CATE Offerings

Administrative Services (SJH)
Plant and Animal Science (CH)
Architectural and Mechanical Design (MBH, SJH)
Business Finance (SJH)
Business Information Management (AH, CH, GSFH, SH)
Carpentry (SJH)
Environmental & Natural Resources Management (AH)
FCS-Behavioral and Social Science Option 1 (AH, SJH)
FCS-Culinary (NMBH)
General Management (CFH, MBH)
Health Science (CH, LH, MBH, SJH)
Horticulture (CFH, CH, GSFH, LH, SH)
Information Support and Services (SH)

Introductory Building Construction (SH)
 Marketing Communications (AH, CFH, LH)
 Marketing Management (NMBH, SH, SJH)
 Merchandising (SH)
 Operations Management (CFH, LH, SJH)
 Option 1 Computer Programming (CFH)
 Programming and Software Development (CFH, SH, SJH)
 Project Lead The Way (CFH)
 Project Lead The Way-Biomedical Science (CH, CFH)
 Project Lead The Way-emphasis in Civil Engineering (CH, CFH)
 Sports Medicine (MBH, NMBH, SH, SJH)
 Web and Digital Communications (CFH, CH, SJH)

7. Our CATE Vision for Horry County Schools is reviewed annually through school and district CATE program advisory committees, students, school staff, and administration from school and district levels.
8. Two state-level changes being implemented directly related to career and technology students.
 - Reduction from 4 courses to 3 courses minimum for CATE completers in some of our business majors. *(Enacted for 2017-1018)*
 - A change within the computer science requirement for graduation. *The details of the Computer Science requirement have not yet been released.*
9. CATE Initiatives:
 - HCS is in the 4th year of with the Technical Scholars program in conjunction with HGTC where 17 senior students are allowed to attend HGTC and receive technical skill training in welding. We currently have 17 students enrolled for the 2018-19 school year.
 - We are discussing with HGTC the addition of a Cyber Security certification program to begin the fall of 2019.
 - We are currently working with LH with the addition of PLTW Biomedical Science.
 - We have added PLTW Gateway programs at WPM and CM offering Design and Modeling for the current year with plans to expand the program with plans to add Medical Detectives course for 2018-19.
 - We are in the planning stages for summer training for PLTW and Gateway teachers.
 - We have implemented two initiatives with teachers district wide for this year. First is to document Soft skills training with our CATE students and to share those with other teachers through our monthly FYI's. The second is to incorporate National/State approved credentialing with our CATE completers where possible.
10. HCS CATE completers received National Certifications within the areas of National Health Science Assessment, CNA, Cosmetology, First Aid/CPR/AED, Nail

Technology, NCCER (Building Construction), Prostart, ServSafe Manager, Firefighter I & II Certification, First Responder, and ASE (Automotive Technology). We also have CATE completers who are involved in taking state certifications with MyCart, CTECS, and Precision Exams.

11. For school year 2016-17, HCS CATE student Organizations had over 70 students to advance to national level of competition within their competitive events where they were able to utilize their classroom training with real world simulation. Several of our groups were recognized as outstanding chapters on the state and national level.

12. 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 – 8th Grade

Aynor Middle School, Black Water Middle School, Forestbrook Middle School, Loris Middle School, and Ocean Bay Middle School

Virtual Shadowing

Black Water Middle, Conway Middle, Forestbrook Middle, Green Sea Floyds Middle, Myrtle Beach Middle, and Ocean Bay Middle.

Boeing – Structured Field Study – WBL funds – transportation

Black Water Middle, Conway Middle, Myrtle Beach Middle, and Forestbrook Middle

Structured Field Study

Conway Middle – Helijet and Horry Georgetown Technical College (Market Commons)

High School WBL

Job Shadowing — reported

ATA (Juniors and Seniors), AAST (Digital Communications and Pre-Engineering)

Extended Job Shadowing – AAST (Art and Theatre)

Virtual Job Shadowing – AAST (ET, Pre-Engineering, Entertainment Technology, and Health Science), CFHS (Business), MBHS (Business), Loris High (English 4 and Health Science), NMBHS (Business) and STJHS (Health Science)

Internships

- AAST – Pre-Engineering, Digital Communications, Entertainment Technology, Pre-Med and Computer Science
- ATA – Auto Technology, Building Construction, Digital Arts, Business, Culinary Arts, C.N.A. and Health Science
- MBH – Health Science
- LHS – Operations Management
- SHS – Health Science and Marketing
- STJHS – Health Science

Mentoring and Service Learning WBL Experiences

AAST – Pre-Med – Service Learning (Teddy Bear Clinic)

High School - Structured Field Studies – WBL funds - transportation

- AAST – College of Charleston, City of Myrtle Beach GIS, US Space and Rocket Center, HGTC – Speir Medical Building, University of South Carolina
- ATA – Homebuilder Fall and Spring Home Shows, Southern Living Home, HGTC Speir Medical Building, Native Suns, Atlantic Packaging
- CHS – Nephron Pharmaceuticals and HGTC Speir Medical Building, Clemson AG Day
- LHS – Clemson Ag Day and Boeing
- MBH – HGTC Speir Medical Building
- SHS – City of Myrtle Beach Sports Complex, HGTC – Sports Tourism, North Myrtle Beach Sports Complex, North Myrtle Beach Aquatic Center, Crabtree Recreation Center
- SJHS – Homebuilder Fall Home Show and Southern Living Show, Horry Telephone, HGTC – Computer Science

NEW – HCS Health Science Career Fair – Sponsors – Conway Medical Center, Grand Strand Medical, McLeod Health, and Tidelands Health – AAST, ATA, CHS, MBHS, LHS, SHS, and STJHS – Juniors and Seniors Health Science students.

Technical Scholars Welding Program – Structure Field Study – WBL funds providing transportation – juniors visited February 6, 2018–AHS, CFHS, CHS, LHS, NMBHS SHS, and STJHS.

Summer WBL Opportunities

Carolina Orthopaedics Medical Mentoring Summer Program – Summer of 2017 – 48 students. Carolina Orthopaedics is planning to offer this program again this summer. Students who are selected will receive 16 hours of Extended Job Shadowing during the summer.

Tidelands Health - Nurses are Extraordinary Day – June 14, 2017

Staff Development – WBL funds

Fall and Spring CATE State Department Meetings
Education Business Summit

13. Horry County Schools has continued to work with Horry Georgetown Technical College allowing CATE students to earn college Technical Advanced Placement (TAP) credit various college level courses. TAP credits are offered to HCS Career and Technology students who successfully complete high school course work as outlined through the articulation agreements as they enter HGTC within that specific major.