

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

I certify that the information in this report is true.

Signed: *Rick Maxey* Date: 3/1/19  
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 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 levels.

**Indicators of Evidence and Compliance:** The District is 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 2016-17 school year:
  - Indicator 1S1 - Academic Attainment-Reading/Language Arts – Met Standard (HCS Performance 80.50%)
  - Indicator 1S2 - Academic Attainment-Mathematics – Met Standard (HCS Performance 96.62%)
  - Indicator 2S1 - Technical Skill Attainment – Met Standard (HCS Performance 90.96%)
  - Indicator 3S1 - Secondary School Completion – Met Standard (HCS Performance 100%)
  - Indicator 4S1 - Student Graduation Rates – Met Standard (HCS Performance 99.20%)
  - Indicator 5S1 - Secondary Placement – Met Standard (HCS Performance 99.59%)
3. The indicators not met were the following:
  - 6S1 - Nontraditional Participation (females and males enrolling in nontraditional careers). The State Performance Goal was 13.32% and HCS was 9.03%.
  - 6S2 - Nontraditional Completion – (Non-traditional concentrators that continued to complete the non-traditional program). The State Performance Goal was 76.70% and HCS was 66.67%.

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. Career and technology courses that are rigorous and challenging are provided in order to equip students with necessary skills to be successful within the 21<sup>st</sup> Century job market.
5. The equipment and supply 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 (ATA)

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  
Pre-engineering Project Lead The Way with emphasis in  
Environmental Sustainability

### High School CATE Offerings

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

Information Support and Services (SH)  
Marketing Communications (AH, CFH, LH, SJH)  
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**

Project Lead The Way – Biomedical Science (CH, CFH, LH)  
Project Lead The Way – Emphasis in Civil Engineering (CH, CFH)  
Project Lead The Way – Computer Science (CH)  
Sports Medicine (LH, MBH)  
Web and Digital Communications (CFH, CH, SH, SJH)

7. Our CATE Vision for Horry County Schools is reviewed annually with school and district CATE program advisory committees, students, school staff, and administration from school and district levels.
8. Two state-level changes are being implemented directly related to career and technology students.
  - Reduction from four courses to three courses minimum for CATE completers in some of our business majors.
  - A change within the computer science requirement for graduation *Computer Science Appendix "O" course offerings are required beginning 2019-20.*
9. CATE Initiatives:
  - HCS is in the 4<sup>th</sup> year with the Technical Scholars program in conjunction with HGTC where 17 senior students attend HGTC and receive technical-skill training in welding. We currently have 17 students enrolled for this school year. Registration for the 2019-20 school year is currently taking place.
  - We are working with Loris High School on the addition of PLTW Biomedical Science for the spring semester as a part of the Medical Magnet Program.
  - We have added PLTW Gateway programs at several middle schools.
  - We have implemented two initiatives:
    - Soft skills training through Microburst Learning for CATE students
    - National/State approved credentialing with our CATE completers
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 obtaining state certifications with ICEV, OSHA, Microburst, Pre-pharmacy, Pre-veterinary Medicine, and Precision Exams.

11. For school year 2017-18, HCS CATE student organizations had over 50 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 – 8<sup>th</sup> 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

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), NMBH (Health Science)

#### Extended Job Shadowing

AAST (Art and Theatre), LH (Health Science)

#### Virtual Job Shadowing

AAST (Pre-Engineering, Entertainment Technology, Computer Service, Computer Science, and Health Science), CFHS (Business), MBHS (Business), Loris High (English 4 and Health Science), NMBHS (Business) and SJHS (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
- MBHS – Health Science and Sports Medicine
- LHS – Operations Management
- SHS – Health Science and Marketing
- STJHS – Health Science and Sports Medicine

### Mentoring and Service Learning WBL Experiences

- AAST – Pre-Med – Service Learning Project (Teddy Bear Clinic)
- CHS – Staff Health Cases

### High School - Structured Field Studies

- AAST – College of Charleston, City of Myrtle Beach GIS, US Space and Rocket Center, HGTC – Speir Medical Building, University of South Carolina
- ATA – Homebuilder Spring Home Show, Southern Living Home, HGTC Speir Medical Building, Native Suns, Atlantic Packaging
- CHS – Nephron Pharmaceuticals and HGTC Speir Medical Building
- MBHS – 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 – Southern Living Show, Horry Telephone, HGTC – Computer Science

### NEW – HCS Health Science Career Fair

Sponsors: Conway Medical Center, Grand Strand Medical, McLeod Health, Tidelands Health, AAST, ATA, CHS, MBHS, LHS, SHS, and SJHS

### Summer WBL Opportunities

Carolina Orthopaedics Medical Mentoring Summer Program – Summer of 2018.

Students who were selected received 16 hours of Extended Job Shadowing during the summer.

### Tidelands Health - Nurses are Extraordinary Day – June 12, 2018

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.