

**HORRY COUNTY SCHOOLS  
MONITORING REPORT – Other Academic Majors**

I certify that the information in this report is true.

Signed: \_\_\_\_\_ Date: June 29, 2015  
Rick Maxey, Superintendent

Disposition of the Board:

☒ In compliance  
☐ Not in compliance  
☐ Compliance with exception

Signed: \_\_\_\_\_ Date: June 29, 2015  
Joe Defeo, Board Chair

Comments: \_\_\_\_\_  
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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 2012-13 school year:
  - Indicator 1S1 - Academic Attainment-Reading/Language Arts– Met Standard (HCS Performance 59.95%)
  - Indicator 1S2 - Academic Attainment-Mathematics– Met Standard (HCS Performance 61.02%)
  - Indicator 2S1 - Technical Skill Attainment -Met Standard (HCS Performance 84.02%)
  - Indicator 3S1 - Secondary School Completion– Met Standard (HCS Performance 98.54%)
  - Indicator 4S1 - Student Graduation Rates– Met Standard (HCS Performance 97.39%)
  - Indicator 5S1 - Secondary Placement– Met Standard (HCS Performance 99.50%)
3. The indicators not met were:
  - 6S1 - Nontraditional Participation (females and males enrolling in nontraditional careers). The State Performance Goal was 12.96% and HCS was 9.93%.
  - 6S2 - Nontraditional Completion – (Non-traditional concentrators that continued to completed the non-traditional program). The State Performance Goal was 76.50% and HCS was 57.89%.

As part of the improvement plan, we are conducting a summer CATE experience program (“Wheel of Future”) to introduce rising ninth grade students both male and female to nontraditional career opportunities. The program was held at ATA with 60 students from throughout the district being exposed to the nontraditional career programs. A plan is also being established to publicize the non-traditional careers to students in the middle schools in order to familiarize students with employment and skill potential for non-traditional students within these areas.

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 21<sup>st</sup> Century job market.
5. The equipment needs for career and technology programs are reviewed annually by local and district advisory boards in order to insure our students are gaining exposure to equipment that is relevant to current industry utilization and needs. Allocations for schools are made through a formula incorporating total number of CATE students

enrolled in courses at the school as well as the total number of program completers. This insures that each school receives an equitable share of funding for updating equipment as outlined by the state department. All purchase requests are approved through the local advisory committee as well as the SCDE CATE associates.

#### 6. Horry County Schools CATE Majors.

##### Academy for the Arts, Science & Technology (AAST)

Arts, AV and Communications

- Media Technology

Health Science

- Introduction to Pre-Medicine

Information Technology

- Web and Digital Communications
- Computer Science-Programming and Software Development (NEW)

Science, Technology, Engineering and Mathematics

- Pre-Engineering

##### ACADEMY FOR TECHNOLOGY AND ACADEMICS

Architecture and Construction

- Building Construction Technology

Arts, AV and Communications

- Digital Arts and Design

Business, Management and Administration

- Administrative Services
- Business Law

Health Science

- Health Science Technology

Human Services

- Cosmetology
- Nail Technology
- Culinary Arts

Law, Public Safety, Corrections, and Security

- Emergency Management Fire Services

Science, Technology, Engineering and Mathematics

- Project Lead The Way with emphasis in aeronautics engineering.

Transportation, Distribution and Logistics

- Automotive Technology

##### HORRY COUNTY SCHOOL High School CATE Offerings

Agriculture, Food and Natural Resources

- Horticulture (CFH, CH, GSFH, LH, SH)
- Environmental & Natural Resources Management (AH)

Architecture and Construction

- Introductory Building Construction (SH)
- Carpentry (SJH)

Arts, AV and Communications

- Architectural and Mechanical Design (MBH, SJH)
- Industrial Technology (CH)

Business, Management and Administration

- Administrative Services (SJH)
- Business Information Management (AH, CFH, CH, GSFH, MBH, SJH)
- General Management (CFH, CH, MBH)
- Operations Management (CFH, LH, SJH)

Finance

- Accounting (CH, MBH)
- Business Finance (SJH)
- Banking Services (NMBH)

Health Science

- Sports Medicine (LH, NMBH, MBH, SJH)
- Health Science (MBH, SJH)

Hospitality and Tourism

- Hospitality Management and Operations (MBH, SH)
- FCS-Culinary (NMBH)

Human Services

- FCS-Behavioral and Social Science Option 1 (AH, MBH, SJH)
- FCS-Design Option 2 (CH, MBH)

Information Technology

- Information Support and Services (LH) NEW
- Networking Systems (SJH)
- Programming and Software Development (SJH)
- Option 1 Computer Programming (CFH,)
- Web and Digital Communications (CH, SJH)

Marketing, Sales and Service

- Marketing Communications (AH, CFH, CH, LH)
- Marketing Management (SJH)

Science, Technology, Engineering and Mathematics

- Project Lead The Way with emphasis in civil engineering. (CH)

7. We have also incorporated many courses that do not fit into a major, but are taught at various schools in order to expose our students to a host of career potential areas such as:

- Google Applications
- Leadership Development
- Gaming and Animations
- Merchandising
- Parenthood Education
- Entrepreneurship
- Business Law
- Personal Finance
- SAS Programming
- Exploring Computer Science

8. CATE Vision for Horry County Schools is reviewed annually through CATE program advisory committees, students, school staff, and administration from school and district levels.

9. We continued implementation of innovative course programs and course content which were developed at the local level based upon current needs and are required to be reviewed by SCDE annually:
- Business Law 2
  - Legal Systems Administration 1
  - Legal Systems Administration 2
  - Pre-engineering at AAST
10. The Academy for Technology and Academics (ATA) and The Academy for Arts, Science, and Technology (AAST) both received Excellent absolute rating and Good growth rating on the state report cards for career centers.
11. CATE Initiatives:
- Exploring Computer Science, which incorporates computer operations, coding, various programming components, and robotics was introduced within several of our schools course offerings for 2014-15. We hope to expand this offering for the upcoming school year.
  - AAST has implemented a new major in Computer Programming and Software Design and will be adding Computer Programming 1 & 2 for the 2015-16 school year.
  - Last year HCS implemented the use of WorkKeys testing for senior CATE completers at ATA and AAST. Which was a *South Carolina Work Ready Communities* two-year initiative. Students were enrolled in Career Ready 101 to prepare for WorkKeys testing (Locating Information, Applied Math, Reading for Information and Talent). We tested 350 students this year an increase from 282 students that were tested last year. Students' performance rating increased from 92.55% to 94.0% for 2014-15, there was an increase in students receiving Platinum rating (highest and most difficult rating) from 1 student to 3 students for 2014-15 school year.
  - HCS has implemented a Technical Scholars program with HGTC where senior students are allowed to attend HGTC within technical skill training areas This will allow students interested in a technical field to begin advanced training in areas not currently offered by HCS. This program allows for the partnership to offer the program without duplication of services. For 2014-15 we introduced a welding certification major in which we had 10 students participate. Of the 10 students, 8 will continue with classes through the summer session in order to complete

certification training. As an expansion for the program, we will be offering HVAC certification for interested students for the 2015-16 school year along with welding.

- MBH and SJH are planning to expand their CATE staff for 2015-16 due to overall increases in enrollment of students in the areas of business and health science.
- We are working with middle school teachers throughout the district to offer additional state approved middle school level business and computer courses for the 2015-16 school year. Middle school business teachers will be working during the summer months to develop a Google classroom with specific instructional strategies for the new courses. These classes will also offer schools an opportunity to increase training opportunities on the iPad devices. The new courses are:
  - a. Digital Literacy
  - b. Google Basics

12. HCS had 349 senior CATE students to receive National Certifications within the areas of Health Science, Cosmetology, Nail Technology, NCCER (Building Construction), Prostart, SafeServe, and ASE (Automotive Technology).

13. Our CATE student Organizations had over 60 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.

**14. 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. This is the first year that work-based learning experiences have been monitored for middle and high schools based upon number of students and the type of work-based learning experience/credit.
- Work-based learning experiences/credits are recorded in PowerSchool, 246 middle school and 1722 high school students participated in some type of work-based learning experience. Concerning the type of Work-based learning experience:
- Coop Education 16 high school students; School Based Enterprise 270 high school students; Internships 239 high school students; Service Learning 9 high school students, Mentoring 119 high school students, Shadowing 97 middle school and 935

high school students; and Virtual Shadowing 149 middle school and 134 high school students.

15. Horry County Schools has developed articulation agreements with Horry Georgetown Technical College allowing students to earn college Technical Advanced Placement credit in thirty-three 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. Specific contracts per high school course and college level TAP courses can be found at <http://www.hgtc.edu/documents/academics/highschool/tap/Horryagreements.pdf> .