AIKEN COUNTY PUBLIC SCHOOLS

Academic Integration Specialist

JOB DESCRIPTION

TITLE:

Academic Integration Specialist

QUALIFICATIONS:

1. Valid South Carolina teaching certificate with at least 5 years of successful teaching experience

2. Practical experience in utilizing best practice teaching strategies in math and science

3. Highly developed human relations, computer, and communication skills.

4. Personal qualities of objectivity, caring, tact, empathy, sincerity, tolerance, and emotional stability.

5. Successful teaching experience and/or training in the identification of learning styles and behavioral problems of students. .

6. Such alternatives to the above qualifications as the Board may find appropriate and acceptable.

REPORTS TO:

Building Principal and Director of Career & Technology

SUPERVISES:

Not applicable.

JOB GOAL:

The best motivational tool for students is personal involvement in something that produces a clear result and is interesting to them. Career and Technical Education courses often give students the personal involvement they need to become better learners as it prepares them for post secondary and/or the workplace. By integrating math and science into CTE courses, students will connect math and science to real world learning. For example, Stone and others (2005) showed that students in CTE courses can learn more math if the CTE teacher works with a math teacher to make the mathematical content more explicit. Studies show that more learning happens when learning becomes relevant and authentic to the student. Integration of math and science into the CTE curriculum will give students the opportunity for successful placement in post secondary without remediation.
The goal will be to eventually add math (Algebra, Geometry, and/or Pre Calculus) and science classes (Physics) to the Career Center curriculum.

Essential Duties and Responsibilities:

- Develop an on-line lesson plan Moodle site to share CTE lesson plans that incorporate higher level mathematic and science standards
- Tutor students in small groups
- Design and provide professional development for CTE instructors

- Collaborative with CTE teachers to create and model mini lessons to teach specific embedded math/science skills
- Serve as a resource for the math/science curriculum and instruction by providing best practices and research based strategies
- Conduct classroom observations to support teachers in implementing new strategies
- Provide special assistance to new CTE teachers
- Review and assist with data collection for completeness and accuracy to guide instruction
- Communicate with District and content specific Career and Technology Education Boards
- Compile, disseminate, and apply workplace specific math/science skills to CTE classes
- Assist schools with additional math/science support for special populations enrolled in CTE.

TERMS OF EMPLOYMENT:

190 Contract Days

EVALUATION:

Performance of this job will be evaluated annually according to Board policy by the building level principal with input from the Director of Career &Technology. All reports will be verified through the Director of Career & Technology.