

## ABSTRACT

Beaufort County School District (BCSD) will implement *Med-Tech 7*, an evidence-based, whole-school STEAM arts-integrated magnet program targeting a total of 3,794 students in two clusters: Beaufort (Mossy Oaks Elementary, 325 students; Lady's Island Middle, 501 students; Beaufort Middle, 377; and Beaufort High, 1,278 students) and Whale Branch (Whale Branch Elementary, 461 students; Middle, 389 students; and High, 463 students). These new or significantly revised programs include specialized slots available for K-12 students through our medical magnet theme with academies of Pre-Med and Biomedical Science at Beaufort High and our technology magnet theme with academies of Cybersecurity, Computer Science, and Network Engineering at Whale Branch High. Our vision is that learning leads the way for all students to thrive academically through a rigorous, theme-based K-12 pipeline characterized by diverse social, economic, ethnic, and racial backgrounds. *Med-Tech 7* will meet Competitive Preference Priorities 1, 2, 3, 4, and 5 with the following goals and objectives: 1) Diversity/Desegregation: Employ recruitment and selection methods that stimulate socioeconomic integration and reduce minority group isolation; 2) Academic Achievement: Increase academic success through an educationally challenging and diverse learning environment that inspires all students to achieve their potential; 3) Evidence-Based Medical Magnets: Implement an evidence-based whole school STEAM arts-integrated program with specialized academies of Pre-Med and Biomedical Science for the Beaufort K-12 cluster; 4) Evidence-Based Technology Magnets: Implement an evidence-based whole school STEAM arts-integrated program with specialized academies of Cybersecurity, Computer Science, and Network Engineering for the Whale Branch K-12 cluster; and 5) Professional Development: Provide high-quality professional learning that empowers educators to excel in practice and innovative integration of magnet themes. Outcomes: reduced minority group isolation; inclusive school climate; increased career readiness; improved student achievement in math and reading; and schools meet state annual measurable achievement objectives and graduation rate targets.