COBB COUNTY SCHOOL DISTRICT

SCIENCE•TECHNOLOGY•ENGINEERING•MATHEMATICS

Cobb Elementary STEM School Certification Criteria

1. STEM Instruction & Student Learning	
1.1	Students are engaged in interdisciplinary problem- and/or inquiry-based STEM activities that focus on deeper learning
1.2	Teachers are facilitators of collaborative student-centered learning that encourages authentic and creative problem-solving
1.3	Learning outcomes are integrated with relevant science and/or math standards that prepare students for future STEM learning
1.4	Student learning is evaluated using balanced assessment methods (constructed response, multiple choice, performance-based assessment, and informal assessments)
Artifacts • *Sample STEM lesson plans & assessments* • *Curriculum map of lessons by grade / quarter* • *Student work samples and/or digital portfolios*	
2. STEM Teacher Professional Development	
2.1	Teachers and school leaders participate in ongoing STEM-specific professional development opportunities
2.2	Teachers integrate STEM professional learning into classroom instruction
2.3	Teachers are highly qualified in math and/or science or are pursuing relevant endorsements/certifications
Artifacts • *List of STEM PD sessions offered* • *Teacher feedback of training* • *Photos from trainings* • *Sample lessons demonstrating integration of professional learning*	
3. Instructional Planning for STEM	
3.1	Schedule reflects daily instruction that is enriched with STEM practices (creativity, communication, perseverance, problem-solving, collaboration, critical thinking skills, research skills, career focus)
3.2	Teachers collaborate at least weekly to plan, share, or design STEM - infused learning opportunities
Artifacts • *Grade level schedules* • *Collaboration artifacts – log, lessons, assessments, maps, PD integration, etc.*	
4. STEM Partnerships	
4.1	Students are provided with opportunities to participate in active STEM learning that fosters real-world skills
4.2	The STEM program/school has active and sustained partnerships with community, business, and/or post-secondary institutions.
4.3	STEM students have the opportunity to participate in multiple STEM competitions and extracurricular activities.
Artifacts • *List of clubs and STEM groups* • *Blog/Web posts with photos spotlighting the various STEM Competitions & Partnerships* • *List of STEM partners* • *Description of partnerships* • *Photos of STEM partners at school events*	
5. STEM Learning Environment	
5.1	School has dedicated lab space where students engage regularly in active STEM learning
5.2	Students frequently and seamlessly access technology in order to research, collaborate, create, and connect beyond classroom walls
Artifacts • *STEM Lab Blog with photos, videos, work samples, happenings, etc. of STEM Lab in use* • *List of technology resources available in school* • *Sample of digital resources created by students*	