



## Cobb Secondary 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 STEM practices (creativity, communication, perseverance, problem-solving, collaboration, critical thinking skills, research skills, career focus)
1.2	Learning outcomes are integrated with relevant science and/or math standards that prepare students for future STEM learning and college and career readiness.
1.3	Student learning is evaluated using balanced assessment methods (constructed response, multiple choice, performance-based assessment, and informal assessments)
<b>Artifacts</b> <ul style="list-style-type: none"> <li>• Sample STEM lesson plans &amp; assessments</li> <li>• Integrated course curriculum maps</li> <li>• Student work samples and/or digital portfolios</li> </ul>	
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
<b>Artifacts</b> <ul style="list-style-type: none"> <li>• List of STEM PD sessions offered</li> <li>• Photos from trainings</li> <li>• Teacher feedback of training</li> <li>• Sample lessons demonstrating integration of professional learning</li> </ul>	
3. Instructional Planning for STEM	
3.1	There is evidence of intentional integration across disciplines/ courses.
3.2	Teachers collaborate at least weekly to plan, share, or design STEM - infused learning opportunities
<b>Artifacts</b> <ul style="list-style-type: none"> <li>• Grade level schedules</li> <li>• Collaboration artifacts – log, lessons, assessments, maps, PD integration, etc.</li> </ul>	
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.
<b>Artifacts</b> <ul style="list-style-type: none"> <li>• Blog/Web posts with photos spotlighting the various STEM Competitions &amp; Partnerships</li> <li>• List of STEM partners</li> <li>• Description of partnerships</li> <li>• Photos of STEM partners at school events</li> </ul>	
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
5.3	Students guide their own learning in a collaborative environment that encourages authentic and creative problem-solving
<b>Artifacts</b> <ul style="list-style-type: none"> <li>• STEM Lab Blog with photos, videos, work samples, happenings, etc. of STEM Lab in use</li> <li>• List of technology resources available in school</li> <li>• Sample of digital resources created by students</li> </ul>	
6. STEM Students	
6.1	For STEM Program seekers, STEM students reflect population of the school (not applicable to schools seeking whole-school certification)