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| STEM Successes | STEM Challenges |
| Breaking down silos with collaboration and integration over content areasAdministrative awarenessDiscovering student talentBoard approvalFour STEM academies with increased student excitement and writing improvementExpansion of PBL; collaborative competitions and projectsIndustry-experienced teachersCompetitions involving a lot of STEM componentsFully-equipped STEM labsComplete science labs K-5Large team of content and curriculum specialists to integrate contentSTEM club participationPartners and chambers to collaborateVertical alignment for scienceMagnet programs focusing on science and mathCharter district allows for flexibility in innovation; robotics Dedicated planning time for grade bands and cross-curricular planningStrong work-based learning programEmbedding credit – CTAE and scienceGSMSTRobotics Club that is system-wide with collaboration between CTAE and scienceSTEM Academy at one high school | More interest and supportLimited industry partnershipsTime for fine arts programsDemographic issuesDistrict visionBecoming certified based on the requirementsAverage students getting up to higher levels of math and scienceBreaking down collaboration barriersAbility to transport students to internshipsLearning curve for teachers and getting past the fear some feelVendors approaching districts to sell itemsBalancing all the initiatives that are thereAmount of demand on teachers Grouping students – getting the right studentsReluctant students and reluctant staff membersFinding internships that are appropriate for special needs studentsCTAE, math, and science integration of standards“Right people on the right bus in the right seat”Defining STEMReluctance to see a bigger pictureSustainability and expansion to the next levelPriority level of STEM – EOCT holds a higher priority |