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| STEM Successes | STEM Challenges |
| Breaking down silos with collaboration and integration over content areas  Administrative awareness  Discovering student talent  Board approval  Four STEM academies with increased student excitement and writing improvement  Expansion of PBL; collaborative competitions and projects  Industry-experienced teachers  Competitions involving a lot of STEM components  Fully-equipped STEM labs  Complete science labs K-5  Large team of content and curriculum specialists to integrate content  STEM club participation  Partners and chambers to collaborate  Vertical alignment for science  Magnet programs focusing on science and math  Charter district allows for flexibility in innovation; robotics  Dedicated planning time for grade bands and cross-curricular planning  Strong work-based learning program  Embedding credit – CTAE and science  GSMST  Robotics Club that is system-wide with collaboration between CTAE and science  STEM Academy at one high school | More interest and support  Limited industry partnerships  Time for fine arts programs  Demographic issues  District vision  Becoming certified based on the requirements  Average students getting up to higher levels of math and science  Breaking down collaboration barriers  Ability to transport students to internships  Learning curve for teachers and getting past the fear some feel  Vendors approaching districts to sell items  Balancing all the initiatives that are there  Amount of demand on teachers  Grouping students – getting the right students  Reluctant students and reluctant staff members  Finding internships that are appropriate for special needs students  CTAE, math, and science integration of standards  “Right people on the right bus in the right seat”  Defining STEM  Reluctance to see a bigger picture  Sustainability and expansion to the next level  Priority level of STEM – EOCT holds a higher priority |