

**Standard:** A rigorous and engaging STEM curriculum aligns with state standards and integrates disciplines. By incorporating 21<sup>st</sup> century practices, it affords opportunities for real-world experiences and promotes civic responsibility.

Total Instructional Focus – Curriculum				
Sustaining	Fully Implementing	Refining and Expanding	Progressing	Getting Started
<b>Desired Outcome: 7.1</b> Meets regularly in collegial teams to plan integrated, standards-based STEM curriculum.				
<b>The Teacher</b>				
Collaborates consistently within the school day in collegial inter- and intra-disciplinary teams to plan integrated, standards based STEM curriculum	Collaborates regularly in collegial inter- and intra-disciplinary teams to plan integrated, standards-based STEM curriculum	Collaborates regularly in intra-disciplinary groups to plan standards-based STEM curriculum	Works in content area groups to plan standards- based STEM curriculum	Plans standards-based STEM curriculum individually
<b>Desired Outcome 7.2</b> Meets regularly in collegial teams to ensure that STEM curriculum is comprehensive, cohesive and connected across and within subjects and grade levels.				
<b>The Teacher</b>				
Collaborates consistently within the school day in vertical and horizontal collegial teams to identify and eliminate gaps and overlaps in the curriculum	Collaborates regularly in vertical and horizontal collegial teams to identify and eliminate gaps and overlaps in the curriculum	Meets vertically, K-12 with teachers within the same content area to identify gaps and overlaps within their content area	Meets horizontally with teachers to identify standards and concepts to be taught within their grade level and content area	Plans individually to align curriculum within their grade band
<b>Desired Outcome 7.3</b> Implements a curriculum that is integrated and mirrors the real world of work where solutions require skills and knowledge from multiple disciplines.				
<b>The Teacher</b>				
Implements a trans-disciplinary curriculum where all knowledge is interconnected and interdependent	Implements an interdisciplinary curriculum where processes, methods and language from more than one discipline are integrated to examine a topic or solve a problem	Implements a multidisciplinary curriculum where disciplines are taught separately, but a common theme, skill or practice is infused into each	Implements collaboratively planned thematic units within a grade level	Implements units within a grade level, around a common theme
<b>Desired Outcome 7.4</b> Embeds 21st century practices and technologies in the curriculum to promote content mastery and facilitate real world investigations, applications and innovations.				
<b>The Teacher</b>				
Ensures that 21st Century practices and cutting edge technologies that enable students to apply important academic concepts in real world contexts are an integral part of STEM teaching and learning	Ensures that 21st Century practices and technology tools that enable students to apply important academic concepts in real world contexts are a part of STEM teaching and learning	Engages collaborative teams of students in problem-based learning challenges integrating academic concepts and technology tools	Structures students in collaborative teams to solve real world problems using technology tools	Provides opportunities for students to work in groups to complete tasks and use some technology tools

Total Instructional Focus – Curriculum				
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<b>Desired Outcome 7.5</b> Equips learners with skills and confidence to think and act in STEM-relevant aspects of civic life.				
<b>The Teacher</b>				
Fosters in students the value of being ethical, informed, technologically literate, financially literate and productive citizens of their communities, state, nation and globe , through the STEM curriculum	Encourages students, through the STEM curriculum to be responsible, informed, productive citizens	Provides students with experiences that focus on their civic rights and responsibilities as well as how their actions affect the rights of others	Provides students with experiences that focus on their civic rights and responsibilities	Promotes civic awareness
<b>Desired Outcome 7.6:</b> Ensures fidelity of implementation of STEM curriculum, instruction, and assessment.				
<b>The School Leader</b>				
Institutes a well-articulated system to ensure the alignment, integration and fidelity of implementation of STEM curriculum, instruction and assessment	Establishes expectations to ensure the alignment, integration and fidelity of implementation of STEM curriculum, instruction and assessment	Supports implementation of the STEM curriculum, instruction, and assessment	Monitors implementation of the STEM curriculum, instruction, and assessment	Provides little oversight on the implementation of the STEM curriculum, instruction, and assessment
<b>Desired Outcome 7.7:</b> Schedules time within the school day for teachers to collaborate on curriculum, instruction, and assessment design.				
<b>The School Leader</b>				
Embeds time in the school day for teachers to collaborate on STEM curriculum, instruction, and assessment design	Ensures common planning time is in place and focuses on STEM curriculum, instruction, and assessment design	Ensures master schedule that allows for common planning time for all grade levels/departments	Develops master schedule that is conducive to common planning time for some grade level/departments	Develops master schedule that not conducive to common planning time

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