The STEM Specialist "10"

#1: Connect disciplines using grade-level themes and transdisciplinary challenges

#2: Engage students and develop their science ‘identities’ through open-ended inquiry-based activities

#3: Plan and execute opportunities for students to showcase their work within the school and community (i.e. fairs, exhibition)

#4: Implement best instructional practices and standards-based teaching (i.e. design thinking, project-based learning)

#5: Assess STEM program using benchmarks, the mission statement, strategic plan, and student surveys

#6: Attend professional development and extend learning for continual growth in transdisciplinary, STEM education

#7: Provide ongoing training and support to the school community (teachers, students, and parents)

#8: Teach up-to-date STEM knowledge, skills, and practices

#9: Find partnerships with government, business, and community groups

#10: Make quality transdisciplinary, STEM materials and resources available to teachers