

SDES STEM Timeline and Goals

Date	History/Goal
Spring 2017	Certified Marzano HRS Level 1
2017-2018 School Year	<p>Begin work towards Marzano HRS Level 2 certification-Effective Teaching in Every Classroom, including: instructional vision, professional development, opportunities to observe and collaborate with other teachers</p> <p>Early release Wednesdays, PLC establishment, Curriculum work/organization, Priority standards work, Common goals, Creation of CLASS (Clear Learning Objectives; Leveled/Collaborative Groups; Aligned to Standards Including Tech; Students On Task and Engaged; Student Procedures and Expectations are Apparent</p>
2018-2019	<p>Continue work listed above towards Level 2 certification</p> <p>Establish STEM Committee</p>
2019-2020 School Year	<p>Continue work listed above towards Level 2 certification</p> <p>Implementation of STEM program (quarterly large PLTW unit per grade level; taught by two specials teachers who were PLTW trained)</p> <p>***Covid*** virtual</p>
2020-2021	<p>Certified Marzano HRS Level 2</p> <p>STEM program on hold because of distancing requirements and specials teachers traveling into rooms instead of maintaining their own shared classrooms. Teachers responsible for STEM integration in their own rooms. Collaboration limited due to Covid restrictions</p>
2021-2022	<p>Begin work towards Marzano HRS Level 3 certification-Guaranteed and Viable Curriculum including: curriculum work, priority standards, common assessments, progress monitoring, data analysis, MTSS, etc.</p> <p>Reinstate STEM program (designated STEM room; weekly special for each homeroom, taught by three specials teachers, PLTW plus standards-based PBL created by the three STEM teachers); STEM teacher given 1 ½ days to co-plan/co-teach/model STEM integrations in homerooms</p>
2022-2023	<p>Continue work listed above towards Level 3 certification</p> <p>STEM program changes: Dedicated one PLTW trained teacher to STEM lab, Maintain weekly STEM special for all students; Renovation of STEM room into "The Lab," Begin data collection and work towards STEM certification, Awarded more than \$50,000 for STEM curriculum (PLTW) and supplies; More after school STEM activities</p>
2023-2024	<p>Continue work listed above towards Level 3 certification</p> <p>STEM program continues as previous year; Finalize work towards STEM</p>

	<p>certification; Apply for STEM certification</p> <p>Goal = Refill PLTW Kits</p> <p>Goal = Improve STEM/Science Fair</p> <p>Goal = More after school STEM events</p> <p>Goal = Women in STEM (collaboration between STEM teacher and Counselor)</p> <p>Goal = Get STEM Certified</p> <p>Goal = Solar Eclipse Plans/Committee</p> <p>Goal = One Book, One School (The Fourteenth Goldfish - STEM novel)</p> <p>2nd-6th read in class and do activities in Lab and in class</p> <p>Goal = First "Touch A Truck" event (guidance)</p> <p>Goal = "Girls Night Out" event (STEM projects such as making bath bombs, AND confidence/empowerment projects such as using tools to create a project)</p>
2024-2025	<p>Goal = Refill PLTW Kits</p> <p>Goal = Restock/Reorganize STEM closet</p> <p>Goal = Collaborative "Touch A Truck" event (guidance and STEM)</p> <p>Goal = Advanced STEM elective for 5th and 6th</p>
2025-2026	Goal = Refill PLTW Kits
2026-2027	<p>Goal = Refill PLTW Kits</p> <p>Goal = Add outdoor full-sized greenhouse</p>
2027-2028	Goal = Refill PLTW Kits
2028-2029	<p>Goal = Refill PLTW Kits</p> <p>Goal = Reapply for STEM Certification</p>
2029-2030	<p>Goal = Refill PLTW Kits</p> <p>Goal = Add STEM Playground equipment (examples https://eduplaying.com/stem/)</p>