Big Ideas

• Science, Math, Engineering and Technology are for everyone.
• Science, Math, Engineering and Technology can be fun.

Assessment

• Project created by each homeroom
• Science Fair participation in relation to previous year
• Survey parents at beginning of year and after implementation of the program to assess how their thought processes have changed regarding STEM.

Learning Experience

• STEM team leaders will conduct STEM challenges in their classrooms and will share with grade-level colleagues.
• Teachers will implement STEM challenges with their students.
• Classroom teachers will conduct STEM projects with their students to prepare students for completing their Science Fair projects later in the year.
• Students and parents will participate in Math/Science Night. They will be actively engaged in hands-on STEM type activities in their child’s classroom. Classrooms will also present a STEM challenge they completed together.

Resources Needed

• A variety of STEM activities for each grade level using STEM websites and resources
• Project boards
• Consumable materials – toilet paper rolls, paper towel rolls, cups, straws, craft sticks, yarn, scrap wood, scrap cloth, etc…
• Guest speaker for Math/Science Night

Timeline

• All Year - Include STEM challenge in monthly newsletter.
• First week of school – Survey sent home to parents
• September – STEM team leaders will conduct challenges in their classrooms and share with grade-level colleagues. Lessons will be shared with the entire faculty at the end of the month faculty meeting
• October/November – Teachers throughout the school conduct STEM challenges with their students and select one to present at Math/Science Night.
• Late November – Math/Science Night
• April – Survey sent home to parents again.
• May – Survey information and Science Fair participation analysis