With a focus on the future and a strong commitment to best practices in 21st Century STEM education, HBGSD has implemented innovative K-12 STEM teaching and learning solutions that inspire and promote a highly rigorous and purposefully integrated STEM culture district-wide. The educational mission of HBGSD’s STEM Division is to build and implement rigorous, relevant and real world STEM focused experiential and career focused learning opportunities where ALL students can reach their fullest academic potential. Our aim is to create a school culture that develops students who are prepared for success in post-secondary 21st Century STEM programs and workforce opportunities.

OUR STEM/STEAM GOALS:

- Work collaboratively with administration and teaching staff to develop integrated STEM curricula and extended STEM learning opportunities
- Work collaboratively with community partners to build and sustain STEM/STEAM programs and initiatives
- Design an integrated STEM curriculum aligned to the PA Common Core State Standards and Next Gen Science Standards (Science, Technology, Engineering and Math) to include Engineering Design Process, Challenge Based Learning, Scientific Inquiry and “Do It Yourself” (DIY) Explorations
- Develop community STEM events to increase awareness and increase levels of STEM capacity within our community
- Provide science teacher support, professional development and individualized training opportunities
- Research, implement and/or pilot quality K-12 STEM curricular programs
- Search and apply for STEM related grants and funding to support relevant and sustainable STEM education in HBGSD

“Growing Greatness One Student at a Time”