

Harrison STEM Program Syllabus

MISSION

Our Harrison STEM Mission is to engage students in authentic, performance-based cross-curricular challenges to promote deeper holistic learning.

VISION

Harrison STEM strives to create an environment that provides opportunities to motivate and encourage our students to become lifelong learners who actively contribute to their communities. In addition, our program will prepare students to graduate with college and career readiness in an increasingly complex and technological society.

PROGRAM GOALS

- Ignite the student's passion for learning
- Create an environment where students can take risks (#failforsuccess)
- Grow students as independent thinkers and researchers
- Promote teamwork, problem solving, and critical thinking
- Provide meaningful learning experiences through challenges, project-based learning units, competitions, hands-on activities, and real-world applications
- Build the students' expertise in areas related to Science, Technology, Engineering, and Mathematics
- Provide opportunities for students to explore concepts and make connections to other courses
- Improve student writing and communication skills
- Prepare and motivate students to enter a post-secondary STEM related field, through college or technical training

CROSS-CURRICULAR ASSESSMENTS

- E-Portfolio (Grading period checkpoints annually)
- Science Fair (all related deliverables)
- 9th, 10th, & 11th interdisciplinary semester projects
- Sophomore Oral Defense
- Senior STEMposium

COURSES IN WHICH GRADES WILL BE ENTERED

- Math (9th-11th only) STEM Category Weight = 10% pulled from course-specific categories
- Science (excluding electives) STEM Category Weight = Course specifics may vary
- Literature (9th-11th only) STEM Category Weight = 10% pulled from course-specific categories
- CTAE Advanced Healthcare Courses (9th 11th only) STEM Category Weight = 10% pulled from course-specific categories