

STEM Class

Science, Technology, Engineering, & Math

HSU--Hamann STEM University

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Welcome!

Scientists, Technicians, Engineers, and Mathematicians in STEM Class will be involved in Project-Based Learning that relates to the real world and prepares students with higher level thinking skills for life! In many projects we will be using the Engineering Design Process, Career Awareness, and Employability Skills Standards.

An important part of STEM Class is effort and a positive attitude.

- Critical Thinking**
- Communication**
- Collaboration**
- Creativity**



STEM Class Grading

Effort, Participation, Assignments 30%
STEM Notebook 35%
Projects, Reflections, Assessments 35%

100-90% = A
89-80% = B
79-70% = C
69-60% = D
59 % = F

Semester "Exams"

STEM Service Learning Project

- *December--Final Project Plan DUE
- *May--Final Project Completion & Sharing Product DUE

STEM CLASS

Class Gear Needed:

- 100 page Composition Notebook (no spiral)
- Earbuds or headphones
- 1 box of small envelopes
- Index cards
- Loose leaf paper
- Glue, pencils, colored pens, highlighters, scissors, crayons, markers
- Supply bag to carry all items to class



Ask
Imagine
Plan
Create
Test
Improve
SHARE



STEM Class Projects:

- STEM Service Learning Project
- Class Logo Design Project Challenge
- STEM Careers Series
- Intro to The Engineering Design Challenges-Class Competitions!
- 3-D Printing/TinkerCAD Projects
- The Fluor Engineering Challenge
- Water Bottle Rocket Challenge
- Pepsico Recycling Project/Contest
- Electronic Waste Project
- T-Shirt Launcher Project
- And Much More...!

Class ‘Wish List’ of Donations:

Our hands-on class is in need of many supplies to be able to conduct our projects and challenges. If you are able, please help with any amount of donations of items. Thank you in advance!

- Empty 2-Liter bottles
 - District-wide Water Bottle Rocket Community Challenge
- String
- Fishing line
- Clear packaging tape
- Masking tape
- Plastic disposable rectangular tablecloths
- Tagboard
- Poster board (small)
- Envelopes (small & large)
- File folders
- Straws (bendy style)
- Plastic wrap
- Craft sticks
- Construction paper
- Ping pong balls
- Paper lunch bags

STEM-tastic!