



STEM ACADEMY
TEAM MEETING
MONDAY, SEPTEMBER 23, 2024

- I. Welcome/Celebrations
- II. Old Business/Reminders (Sara Malloy)
 - a. P-TECH Designation
 - i. **Student Tracking**
 - ii. Leadership Meeting on 9/27
 - b. Advisory Board
 - i. Next Meeting on 11/13/2024
 - ii. Need new companies
 - c. Engineering Technology Foundations IBC
 - i. NOCTI
 - ii. Goal is 32/54 students passing - Juniors
 - iii. Seniors - POE Refresher after pre-test
 - d. EduThings Inventory
 - e. Budget
 - f. Grade-level PLC Check-ins
- III. New Business
 - a. STEM AC Photo shoot
 - i. September 24 - in afternoon
 - ii. **Encourage all students to wear school/STEM shirts tomorrow**
 - iii. **Price send a ParentSquare reminder**
 - b. Field Trips
 - i. 11/8/24 to Lamar University (**Check with Kujawa**)
 - 1. Open to all juniors - first come, first served
 - ii. NASA Field Trip (**Price - industry?**)
 - 1. Date? Spring 2025
 - 2. Open to all seniors
 - c. Grade-level PLCs (date/times needed)
 - i. 9th Grade - **Tuesdays at 2:55pm, 234**
 - ii. 10th Grade - **Wednesdays at 2:55pm, B-1**
 - iii. 11th Grade - **Thursdays at 2:55pm, 241**
 - iv. 12th Grade
- IV. Teacher Updates
 - a. Bechtel - Environmental Sustainability
 - b. Brookreson
 - i. Robotics I - **Finish RoboSoccer, Coding bumper switches**
 - ii. POE - **TugBots, starting types of motion, transferring motion**
 - iii. EDPS - **6-axis Workcell, Investigating MATE (Order 2 more Work-cells via CTE MiniGrants)**



- c. Richards
 - i. Robotics II - Built drivetrains, printing game elements
 - ii. IED - Assemblies, Puzzle cubes
- d. Treybig
 - i. EDD - Birdhouse out of corks, starting price analysis - roller coaster project

V. Updates

- a. Ambassador Update
 - i. P-TECH Week in October? Pending approval
- b. Power UP Program Update (Bechtel & Kujawa)
- c. Career & Technology Student Organizations Update
 - i. Gandeneers (Richards) - on track, building mock-ups
 - ii. Girls in STEM (Chouhan & Arnold)
 - iii. TSA (Brookreson) - Fundraising issues, recruiting meeting numbers low
- d. Documentation in EduThings (covered in PLC)

VI. Cardboard Canoe Races

- a. December 11, 2024
- b. Exxon & Lee College are on board
- c. Early release/CTE Vehicles potential

VII. Q&A, Concerns

Vision: Inspiring students to problem-solve, innovate, and transform their communities

Mission: Preparing students for college and careers as scientists, technologists, engineers and mathematicians in a global society.

Strategic Priorities:

- Increase member enrollment in student organizations by 25% in the 2023-2025 school year
- All Academy students will participate in at least three of the following activities: Field trip, guest speaker, work-based learning and/or dual credit by May 23, 2025
- Increase female enrollment in the academy by 4% for the 2028 cohort.
- Increase participation in the Advisory Board by adding 2 new companies during the 2023-2025 school year.
- STEM Academy students will increase pass rate for all STEM IBC exams attempted by 60% before August 2025.

Attendance:

- Bechtel, Andrea (C-Lunch) AS
 - Brookreson, Allen (ARD) AB
 - Richards, Johan
 - Treybig, John JAR
 - Price, TaMara
 - Malloy, Sara SM
- Jonia*

Minutes/Notes in Red

Action Items in Blue