

Engineering Committee Meeting AGENDA
December 14, 2021
3:00 PM

AGENDA:

- Welcome
- Computer Lab
 - ✓ Computer lab covered by GEAR-UP funding
- Technology Student Association (TSA) Club
 - ✓ Pigman Region – TSA implemented in 21 counties of Southeastern Kentucky
 - ✓ Funded completely for 4 years (minus travel expenses for state conference)
 - ✓ Regional Competition – Hazard, KY (March 18, 2022)
 - ✓ State Competition – Lexington, KY (April 25-27, 2022)
- Expansion of PLTW Courses
 - ✓ OPTION 1: Computer Science pathway in PLTW curriculum.
 - ✓ OPTION 2: “Transition to Engineering Program sponsored by University of Kentucky. Effectively what we are doing is partnering with schools to allow them to teach our EGR 101/102 content to seniors in hopes of providing them a way to receive credit. Students need to pass an assessment, complete a project portfolio, and be calculus ready for the fall semester. We don’t charge the schools to be involved and offer free teacher training. Schools do need to purchase a Matlab license (\$500) and cover some equipment.”
 - ✓ This 4th year class is needed for Pigman’s Harlan county specific scholarship.
- Increase Enrollment/Promote PLTW Classes
 - ✓ Ideas?
- Any Questions or Advice?
- Close

Meeting Minutes: *Meeting was called to order at 2:55pm and closed at 3:17pm.*

- **Welcome** – *Mrs. Rich welcomed everyone to the meeting.*
- **Roll Call** – *Lindsey Rich (Teacher), Michael Hensley (Principal), Kevin Harris (Teacher and Engineer), Kim Howard (Parent), and Bryan Howard (Student) were present for this meeting.*
- **Technology Student Association (TSA) Club** – *Mrs. Rich explained how Mr. Stanley Pigman has funded TSA clubs for 21 counties in Southeastern Kentucky. She also provided an event guide for the regional conference in Hazard. Bryan talked about being in one team for the “Board Game Design” event.*
- **Expansion of PLTW Courses** – *For the capstone class (4th year engineering course), the PLTW curriculum can be expanded in two ways. As described on the agenda, these two options are very different. The committee agreed that option 2 would best suit the needs for our students.*
- **Increase Enrollment/Promote PLTW Classes** – *Several attendees offered suggestions to increase enrollment. Some of these opportunities were: taking a group of engineering students to each elementary school in the county with demonstrations and an explanation of PLTW courses at Harlan County High School and reaching out through our districts Facebook page in hopes of appealing to parents and students alike.*
- **Any Questions or Advice?** – *Attendees had no questions at this time.*
- **Close** – *Mrs. Rich thanked each attendee for actively participating in our fall meeting.*