

Mechanical Engineering Committee Meeting AGENDA
December 12, 2020
1:00 PM

AGENDA:

- Welcome
- Roll Call
- CTE Program
 - ✓ 4 courses needed in “Mechanical Engineering” pathway
 - ✓ College credit opportunity
- Expansion of PLTW Courses
 - ✓ Computer Science pathway
 - ✓ Which course?
- Robotics
 - ✓ Independent from PLTW curriculum
 - ✓ Robotics competitions opportunity
- Room Change
 - ✓ Old GEAR-UP room (Room 134)
- Increase Enrollment
 - ✓ NEW Pigman scholarship opportunity
 - ✓ IED rewrite
 - ✓ Ideas?
- Any Questions or Advice?
- Close

Mechanical Engineering Committee Meeting MINUTES
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Meeting Minutes: *Meeting was called to order at 1:00pm and closed at 1:58pm.*

- **Welcome** – *Mrs. Rich welcomed everyone to the meeting, and attendees signed-in.*
- **Roll Call** – *Lindsey Rich (Teacher), Kathy Minor (Principal), Jeff Phillips (Community Member), Samantha Dean (Parent), Kiki Dean (Student), and Tony Reynolds (student) were present for this meeting.*
- **CTE Program** – *Mrs. Rich explained how PLTW engineering courses are now grafted into HC's CTE program. With this comes name changes to each existing course; however, the same curriculum will be used. This explanation covered the following two points as well: 4 courses needed in "Mechanical Engineering" pathway and ECU college credit opportunity.*
- **Expansion of PLTW Courses** – *Mr. Stanley Pigman is expanding the PLTW curriculum to include a computer science program. Mrs. Rich provided an outline of the two possible course additions. Each attendee gave remarks upon which course to choose as our new computer science starting course.*
- **Robotics** – *With the new Mechanical Engineering pathway, we can now offer a robotics course. Mrs. Rich explained how this would be independent of Pigman's scholarship opportunity within the PLTW curriculum.*
- **Room Change** – *In order to accommodate computers within the classroom, Mrs. Rich will be changing rooms next year to a first floor room large enough for engineering supplies and classroom computers.*

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- **Increase Enrollment** – *Mrs. Rich explained two ways of increasing enrollment in engineering courses (Pigman scholarship opportunity and first engineering course curriculum re-write). Several attendees offered suggestions to increase enrollment. Some of these opportunities were: Demonstrative Zoom meeting with existing engineering students opened to potential engineering students, “Engineering-Day” walkthrough before March registration similar to a science fair, Middle School Rube Goldberg challenge, etc.*
- **Any Questions or Advice?** – *One attendee suggested requirements before entry into the new robotics course or else the course will be over-filled. Another attendee suggested the new computer science course be allowed to stand in place of the digital literacy course requirement to students who enroll in the course.*
- **Close** – *Mrs. Rich thanked each attendee for actively participating in our fall meeting.*