## PARKLAND COMMUNITY ADVISORY COUNCIL

#### Date: 12/13/18 6pm at PHS

**CO-PRESIDENTS** 

VICE PRESIDENT/MEMBERSHIP Michelle Wahlmark SECRETARY Andrea Scott

Melanie St. Hill Ann Segan

**ATTENDEES:** Mary Braccili, Ben Gulledge, Jen Jones, Anita Kapour, Lisa Petrocelli, Andrea Scott, Ann Segan, Melanie St. Hill

**EXCUSED:** Michelle Wahlmark, Nicole Mandry, Nancy Trach, Natalie St. Hill, Desiree Pascal, Mary Ost

STUDENT REPRESENTATIVES: Ben Dobbs, Seth Fine

SCHOOL BOARD REPRESENTATIVES: Linda Perlman-McKenna

ADMINISTRATION: Dr. Rodney Troutman

CALL TO ORDER: The meeting was called to order by Melanie St. Hill at 6:03 pm

**APPROVAL OF MINUTES:** The motion to approve the minutes from Oct. 18, 2018 passed unanimously.

**PRESENTATION:** James Kester, Bruce Lubak and Christopher Gahman from the Parkland Technology and Engineering Department spoke about the classes available to PHS students, including The Project Lead-the-Way Engineering (<u>www.pltw.org</u>)! The Technology and Engineering Department also has clubs and participates in competitions locally and nationally.

The Technology and Engineering Department consists of three labs: the Design Lab, the Production Lab and the Transportation and Energy Lab. Eighteen courses, some full and some half year, are taught as either General or Honors Electives.

All students are required to take the half year Intro to Drafting, Design and CADD elective in the design lab as a prerequisite to all other electives. Also in the Design Lab, students can use architectural, 3-D design and animation software. Also available is a 3D printer!

In the Production Lab, students learn production materials and processes, manufacturing systems, electricity and electronics. Students have projects and build with circuits, programmable logic devices, alternative energies, Arduino, and even build a working electric guitar with the 3-D printer!

In the Transportation and Energy Lab, the process of engineering through two general and three Project Lead the Way courses are taught. The design process- research, design, (prototype) production, testing and evaluating- is explored. The engineer's notebook, sketching techniques, CAD applications, equipment for processing assembly and testing and analytical resources are used while completing projects in the lab. Dorney Park's Talon Rollercoaster, a bobsled and an escalator were all projects students worked on to make true to scale working replicas. The live demonstrations of these projects were amazing!

Project Lead the Way Pre-Engineering Sequence, developed by Rochester Institute of Technology (RIT), is available as Honors Level Electives. Specialty courses in digital

electronics, computer integrated manufacturing, and environmental, aerospace, civil and architectural engineering are offered.

The main focus of all coursework, both general and honors level, is on brainstorming and how to effectively choose and communicate ideas when presenting to peers and future clients. The tools, skills and competencies of the design process is applied not just to courses offered in the technology and engineering department but throughout each student's life.

#### SCHOOL BOARD REPORT: none

#### STUDENT REPORT:

#### Arts

- Concert season is in full swing Chorus 12/6, Chorale 12/9, Band 12/13, Orchestra 12/20, PHS Holiday in-school concert Orchestra and Chorale Concert 12/20.
- Students' rank for Districts: 29 for Chorus, 12 students for Band, 7 Band and 27 String and Orchestra.
- Tickets for this year's show, Curtains, are on sale online! The show is April 10-14.
- Parkland students attended the international thespian society conference from 11/29 -12/1 and performed 26 Pebbles on Main Stage. Six Parkland students ranked nationally with their monologues, musical theatre selections, and stage management. They will be attending the National Conference in Nebraska in the summer. In the tech challenges, parkland had two teams receive first and second place. Parkland teams won challenges in costuming, stage-craft, and scenery. Two parkland students were recognized and awarded for scholarship money.
- Performing Arts Club will have its annual Children's Workshop on January 5th and 6<sup>th</sup>.
  Children grades K-5 will attend the high school each day for a few hours and learn a vocal selection, dance routine, and acting monologue along with fun games!

## General/Academic

- Last week the Key Club hosted their annual Minute to Win It Competition, won by the LEO Club.
- Mr. Parkland Auditions are taking place next Monday Wednesday.
- Students' winter break will last from December 22<sup>nd</sup> January 1<sup>st</sup>.
- Winter Biology and Algebra Keystones will be administered from January 8<sup>th</sup> -11<sup>th</sup>.

## Sports

- Baseball pre-workouts start next week.
- Wrestlers beat Dieruff last night 61-7. A final lightweight to complete their varsity lineup is needed.
- The Swimming & Diving teams are currently competing against Nazareth in the pool.
- Boys and Girls basketball started their seasons last week. The boys are away at Emmaus tonight and the girls are at home. Both games start at 7.

## OLD BUSINESS: none

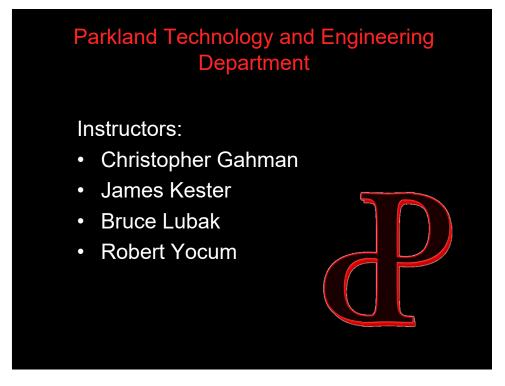
**NEW BUSINESS:** CAC members are eligible for one complimentary ticket to the PHS Spring Musical, Curtains, on Thursday, April 11<sup>th</sup> at 7:30pm. Ticket reservation forms were available at the meeting and due back by 1/17/19 to be included in the CAC seat block.

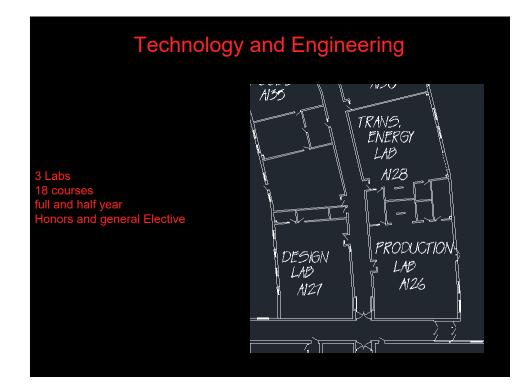
#### ROUNDTABLE: none

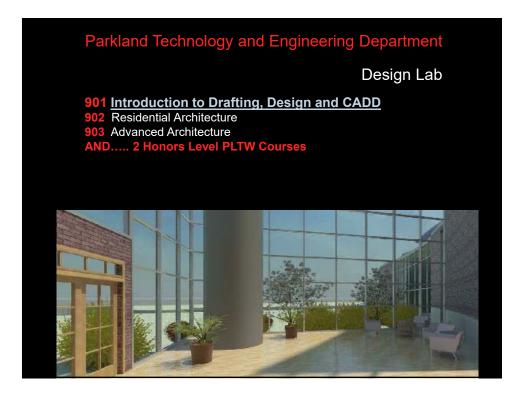
MOTION TO ADJOURN: At 7:15 pm, Dr. Rodney Troutman adjourned the meeting.

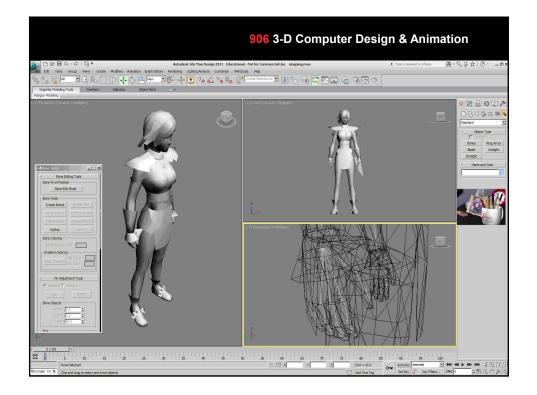
Respectfully submitted, Andrea Scott

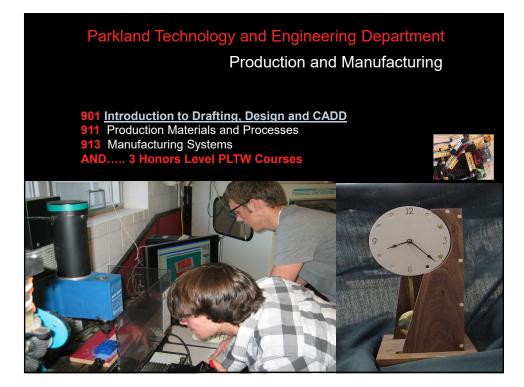


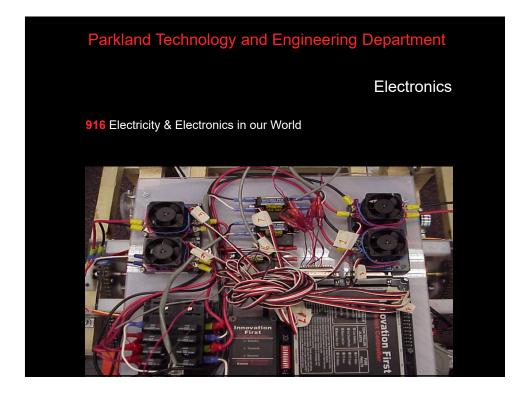


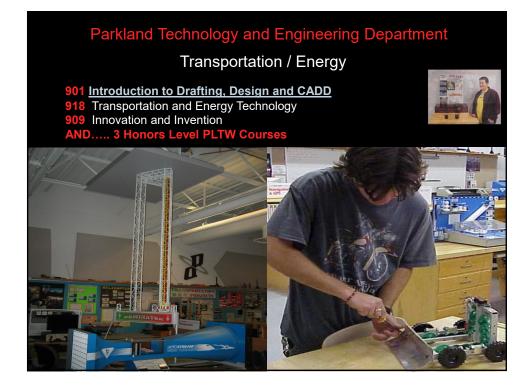


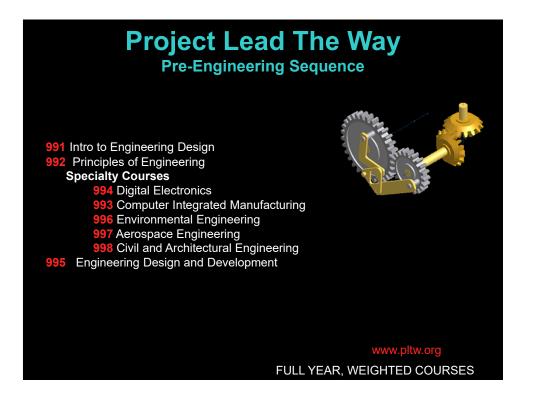


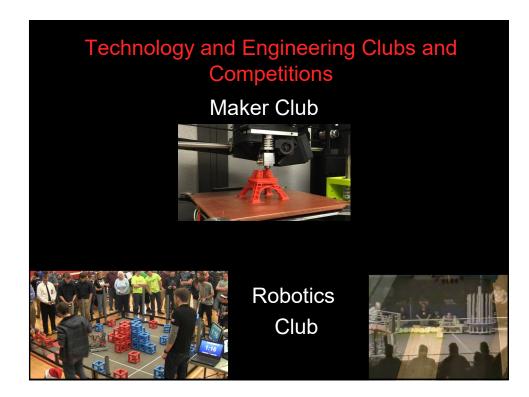


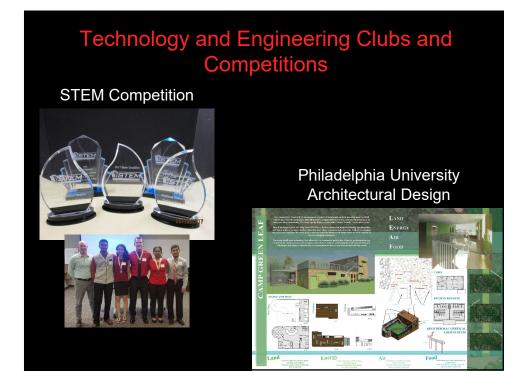


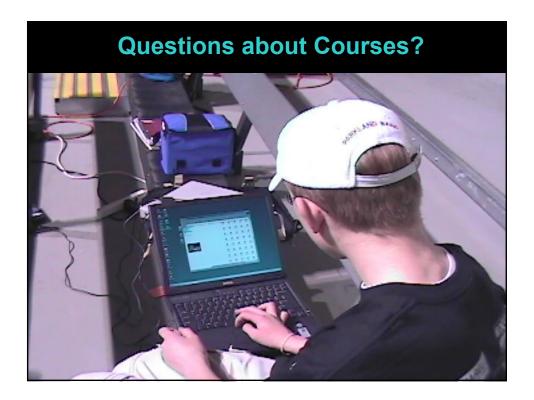












# The 3 Technology and Engineering Labs

