Meeting Date: Wednesday May 10, 2017 – District Office Conference Room – 6:30pm

Attendance: Mr. Dehnert, Mrs. Heine, Mr. DiBello (via phone), Mr. Reigner, Mr. Cromley, Mrs. Flynn, Mr. Racich, Mr. Carre’, Dr. Roche

Agenda:

- Acceptance of Minutes from April 2017
  - Presentation: High School Activities: Technology Club
  - Presentation by Mrs. Flynn
    - 2016-2017 Tech Club Officers
      - President: Prem Bharatia
      - Co-Vice Presidents: Nandini Patel & Adit Jain
      - Treasurer: Chris Lambert
      - Secretary: Rahil Mehta
      - Faculty Advisor
    - Mission
      - To provide students opportunities to explore STEM areas of interest beyond classroom instruction and to foster the pursuit of high-demand technical careers.
  - Active Members: 45
  - Interest and Activity Areas:
    - VEX Robotics Competitions
    - Girl Powered STEM Event
    - PClassic Programming Competition
    - Regional and State Computer Fairs
    - Cybersecurity CTF Contests on national level
    - Service to Spring-Ford Community
  - VEX Robotics Competitions
    - January 28, 2017 Knights, Newtown Square
    - February 4, 2017 West Shore, Shiremanstown
    - February 18, 2017 Home, Spring-Ford
    - March 4, 2017 State Championship, Norristown
    - August 2017, Summer VEX Robotics Camp at Widener University-Tricia Flynn
    - http://www.widener.edu/academics/schools/engineering/outreachprograms/vex.aspx
  - Girl Powered STEM Event
    - October 11, 2016, Spring-Ford 9th Grade Building
    - Program to promote STEM interests to 6-12th grade girls in the Spring-Ford community
    - Keynote presentations by local female engineers
    - Various hands-on activities
- Snap circuits
- Sphero robots
- Lego Mindstorms robots
- Makey-makey
- VEX Robotics

**PClassic Programming Competition**
- PClassic Fall, November 12, 2016, University of Pennsylvania
- Challenging coding competition utilizing Java and/or Python languages
- College level computer science lectures by UPenn faculty
- Beginner and advanced divisions to appeal to a wide student population

**MCIU & PA State Computer Fair**
- MCIU Regional Computer Fair: March 7, 2017
  - Programming Category 1st Place: Robert Meade, Kepler Orbit Simulator 2D
  - Programming Category 2nd Place: Chris Lambert, Pencil Sketch Photos
  - Website Design Category 2nd Place: Ryan Weast and Aarushi Jadhav, Weastie.com
- PA State Computer Fair: May 23, 2017 (regional 1st place winners only)
  - Programming Category, Pending: Robert Meade, Kepler Orbit Simulator 2D

**Cybersecurity CTF (Capture The Flag)**
- A CTF event is an online cybersecurity contest where participants must reverse engineer, break, hack, decrypt, or do whatever it takes to solve challenges and “capture the flag”.
- picoCTF: Carnegie Mellon University, March 31 - April 14, 2017
  - 12,576 total teams from around the world
  - 6th Place Team: Robert Meade, Ryan Weast, Chris Lambert
  - 559th Place Team: Connor Boham
  - 839 total teams
  - 2nd Place Team: Robert Meade, Ryan Weast, Chris Lambert
  - 87th Place Team: Axel Kalbach & Kyle McNulty
  - 332nd Place Team: Sam Bluestone, Liam Hoffman, Kent Kaing, Zach Hayes
  - TBD

**Service to Spring-Ford Community**
- Ryan Weast: Developing new website for the Spring-Ford Alumni Association
- Kent Wirant: Developing elementary school lunch ordering desktop application
- Nandini Patel, Rahil Mehta, & Megan Englert: Summer Cool School program “Future Engineers Unite”

**Tech Club Finances 2016-2017**
- Expenses:
  - Transportation: $900
  - VEX Equipment: $2000
  - VEX Event Registrations: $500
- Income:
  - VEX Home Competition: $2500
  - Lockheed Martin STEM grant: $2000
- Current Account Balance of $1300 to be used for:
  - Tools, robot components, and supplies
• Field equipment & game elements for 2018 season

  o Future Plans
    ▪ Host dual-division home VEX Robotics Competition in 2018
    ▪ Seek corporate sponsorship and fundraising opportunities
    ▪ Expand CTF contest knowledge base to develop additional Spring-Ford expertise
    ▪ Expand Mobile App development efforts

  o Presentation: Middle School Athletics: Winter & Spring Updates
    • Presentation by Mr. Racich
    • 2016-17 Middle School Sports Participants per Season
      • Season Sport  # of Students-7 # of Students-8 Total Roster
        ▪ Fall  CC  71  40  111
        ▪ Fall  Cheer  12  9  21
        ▪ Fall  FB  60  42  102
        ▪ Fall  FH  16  21  37
        ▪ Fall  Soc B  18  19  37
        ▪ Fall  Soc G  22  22  44
        ▪ Fall  VB  22  14  36
      • FALL TOTAL  221  167  388

        • Season Sport  # of Students-7 # of Students-8 Total Roster
          ▪ Winter  BBB  15  15  30
          ▪ Winter  GBB  20  18  38
          ▪ Winter  WCh  20  2  22
          ▪ Winter  Wrest.  15  14  29
        • WINTER TOTAL  70  49  119

        • Season Sport  # of Students-7 # of Students-8 Total Roster
          ▪ Spring  BB  19  17  36
          ▪ Spring  LAX G  20  23  43
          ▪ Spring  LAX B  21  14  35
          ▪ Spring  SB  19  16  35
          ▪ Spring  Track & Field  98  85  183
        • SPRING TOTAL  177  155  332

    7th  8th  Rostered Spots
    TOTAL ATHLETES 7-8  468  371  839

• 2016-17 JH Wrestling Team
• 9 individual medals-4 Champions
  o 1 Runner-Up, 1-3rd, 1-4th, 1-5th and 1-6th
• Spring-Ford Invitational Dual Meet Champions
• Wilson Tournament Team Runner-Up Finish (2nd of 39 Teams)
• 6 Individual medals-2 Champions, 1-3rd, 1-4th, 1-6th, 1-7th

Next Extra-Curricular Committee Meeting:
Monday June 12, 2017 – 6:30pm – DO Front Conference Room