

CURRICULUM, INSTRUCTION AND TECHNOLOGY COMMITTEE
THURSDAY, November 21, 2017
GAUNTLETT CENTER BOARD ROOM

PRESENT: **Committee:** Mr. Leonard Altieri, Mr. Matt Bilker, Mrs. Barbara Harvey

 Board: Ms. Kathryn Chandless, Mr. Matt DeNucci

 Administration: Dr. Constance Bompadre, Mr. Chris Lee,
 Mrs. Lauren Hopkins, Dr. Greg Puckett, Dr. Richard Slonaker, Dr. Josephine
 Johnston, Dr. Dorie Pitone, Mr. Matt Flood

I. Call to Order

Mr. Altieri called the meeting to order at 7:35 p.m.

II. Pledge of Allegiance

Mr. Altieri led the audience in the Pledge of Allegiance.

III. Approval of Minutes

The October, 2017 minutes were approved by the committee.

IV. Approval of Agenda

The agenda, with an addendum, was approved by the committee.

V. Discussion/Informational Items

A. Data Review – Dr. Constance Bompadre, Dr. Richard Slonaker, Dr. Josephine Johnston, Dr. Dorie Martin-Pitone, Mr. Matthew Flood

As a follow-up from the October CIT meeting, each supervisor briefly shared the strengths of our student performance in Marple Newtown.

High School

- Regular Education students performing close to or at 90% proficiency
- Results have shown an increase in proficiency for first time test takers
- Results show a trend in closing the achievement gap

Humanities – supports and develops English Language Arts (ELA) skills.

- Positive gains at the elementary and middle school in Craft and Structure, the organization of text
- Identified at teacher workshop this summer – strengthen Fiction and Non-Fiction text

- Non-fiction content supports ELA Keystone testing area – Non-Fiction Module 2 and Analysis – one of our 11th grade students strongest component areas on the Keystone- HS

The Social Studies Department will continue to be included when reviewing ELA Keystone data.

Science and Technology

- Innovative courses added to curriculum
- Student made and tested 3-D printer projects
- Grades 3-8 students scored above the state expected results

ELA

- Good collaborative efforts among the Administration, the Board and the parents to improve scores
- Grade 3 students, overall, scored above 80% in Advanced and Proficient
- Grade 4 students increased in the area of Text Dependent Analysis (TDA)
- Middle School students are becoming proficient in use of terminology

Math

- Grades 3 and 4 have increased the percentage of points earned in Operations in Algebraic Thinking, which is worth $\frac{1}{4}$ of the possible points
- Grade 3 Accelerated students continue to find success
- Grade 6 students – scores slightly lower – teachers identifying students who need help
- Grade 7 – 84th percentile across the state
- HS – first time test takers (9th graders) are closing the achievement gap

B. Technology Education at the High School – *Dr. Gregory Puckett and Dr. Josephine Johnston*

Dr. Puckett and Dr. Johnston explained to the committee that the Innovative Design Courses at MNHS have become very popular. The Administration met to discuss the future of STEM education at MNHS.

The STEM program will provide students with the opportunity to take courses that are relevant in the 21st century and will prepare them for STEM related college courses and/or STEM related jobs after graduation.

Dr. Puckett, Dr. Johnston, and Ms. Buechele (teacher at MNHS) visited two schools (Oxford High School and Avon Grove High School) that have excellent STEM programs. They discussed staffing, equipment, and space. At the end of the 2016-2017 school year, sixteen 3D printers were purchased for the high school.

Moving forward, a STEM implementation plan was developed. The plan includes new courses, which are reflected in the 2018-2019 Curriculum Guide, the creation of a full time Business Technology Education teacher (0.5 to 1.0 position), and the creation of a STEM lab.

New courses are: Introduction to Electronics, Game Development II, Broadcasting, Computer Systems and Network Fundamentals II, Architectural Design and Construction, and Introduction to Business.

The new STEM courses will help students meet the job demands of the 21st century. The courses will be more science and mechanical based. Several of the courses were developed based on student/teacher feedback.

C. High School Course Guide – Mrs. Lauren Hopkins

Mrs. Hopkins provided the committee with the 2018-2019 Course Selection Guide changes. The Course Selection Guide will go online on January 10, 2018. Students must make any changes by March.

New Courses:

English: Horror Literature through Film, Art, and Music – Semester

Social Studies: America and Its Courts – Semester

Mathematics: AP Computer Science Principles – Year

Visual and Performing Arts: Photography Then and Now – Semester

Visual and Performing Arts: Digital Imaging IV – Semester

Visual and Performing Arts: Select Choir – Year

Business and Technology Education – Introduction to Electronics – Semester

Business and Technology Education – Computer Systems and Network Fundamentals II – Semester

Business and Technology Education – Game Development II – Semester

Business and Technology Education – Architectural Design and Construction – Semester

Business and Technology Education – Broadcasting – Year

Business and Technology Education – Introduction to Business – Semester

Revised Courses:

Digital Information Technologies – *formerly Computer Applications*

STEM Innovation & Invention – Robotics – *formerly a 0.5 credit, 1 – semester course*

Engineering Fundamentals – *formerly Innovative Design I*

Engineering and Innovative Design – *formerly Innovative Design II*

Video Production I – *formerly Video Production and Broadcasting I*

Video Production II – *formerly Video Production and Broadcasting II*

Graphic Design I – *course description was revised because the curriculum is changing*

Graphic Design II – *course description was revised because the curriculum is changing*

Accounting – *formerly Accounting I*

Marketing – *formerly Marketing for Sports and Entertainment*

Another change to the Course Selection Guides is Marple Newtown High School Pathways. Pathways were created to support students in planning properly throughout the high school years when choosing elective courses. These are meant to be a guide, and students are not locked into any pathway.

There is the STEM Pathway which is designed to develop students' interest, skills, and experiences for employment in careers related to technology, science, engineering, and math. In addition, those who wish to pursue a career in the health professions and health technology can also benefit from education in these disciplines.

There is also the Arts & Human Services Pathway which is designed to develop students' interests in the application and production of visual, verbal, and written work and develop skills and experiences for employment in careers related to meeting human needs and delivering services.

Pathways will continually be updated and assessed.

D. High School Stadium Wireless/Security – Mr. Christopher Lee

Athletic Director, Chris Gicking and Jim Allsman, Tiger Radio announcer have requested network conductivity to the stadium for games/events in addition to cameras for safety.

E. Network Security Assessment – Mr. Christopher Lee

Mr. Lee explained to the committee that the district is considering hiring Integra One to assess our internal and external IT systems for vulnerabilities using real-world testing techniques. Integra will attempt to gain cyber access to demonstrate the potential for destruction of data. The

company will provide an assessment on operations risk, reputational risk and data security risk. The cost of the assessment is \$11,800.00

VI. Motions

Teacher Conference:

- A. Motion to approve Mrs. Catalina Ottinger-Ovens, Psychologist, to attend the National Association of School Psychologists (NASP) annual Convention in Chicago, Illinois on February 13-16, 2018. The cost of the conference is \$124.00. The cost for lodging and transportation is being paid by Mrs. Ottinger-Ovens. The total cost to the district is \$124.00 for the conference registration.**

Club Trips:

- B. Motion to approve Dr. Doug Killough, teacher, to accompany 20 members of the high school students Model UN Club to travel to the Model United Nations Conference held in Hershey, Pennsylvania on January 5-7, 2018. The cost for transportation is \$50.00 per student paid by the students. The cost for the activity and lodging is \$300.00 per student paid by the students. There is no cost to the district.**
- C. Motion to approve Mr. Michael Snow, teacher, to accompany members of the high school Ski and Outdoor Club to travel to Stowe Mountain Resort in Stowe, Vermont on January 12-14, 2018. The cost for transportation is \$50.00 per student paid by the students. The cost for the activity and lodging is \$350.00 per student paid by the students. There is no cost to the district.**
- D. Motion to approve Mr. Michael Snow, teacher, to accompany members of the high school Ski and Outdoor Club to travel to Bear Creek in Macungie, Pennsylvania on January 19, 2018. The cost for transportation is \$25.00 per student paid by the students. The cost for the activity is \$50.00 per student paid by the students. There is no cost to the district.**

Athletic Trips:

- E. Motion to approve Ms. Kimberly Foster, coach, to accompany 17 high school varsity cheerleaders to travel to Hershey, Pennsylvania on January 19-20, 2018 for the PIAA competitive Spirit Championship if they qualify on December 16th. The total cost for transportation is \$406.00. The cost per student for lodging is \$100.00 paid by the student. Any registration fees will be known 1 month before event. The total cost to the district for transportation is \$406.00.**

- F. Motion to approve Ms. Kimberly Foster, coach, to accompany 17 high school varsity cheerleaders to travel to the All Star Resorts in Orlando, Florida on February 8-12, 2018 for the UCA National High School Cheerleading Competition. The cost for transportation per student is \$350.00 paid by the students. The cost for lodging and the activity is \$900.00 paid by the students. There is no cost to the district.**
- G. Motion to approve Mr. Michael Snow, teacher/coach, to accompany the high school varsity softball team to travel to the Ripken Experience in Myrtle Beach, South Carolina on March 25-28, 2018 to participate in scrimmages to prepare for the season. The cost for transportation per student is \$50.00 paid by the students. The cost for lodging and the activity is \$300.00 paid by the students. There is no cost to the district.**
- H. Motion to approve Mr. Mark Jordan, coach, to accompany the high school varsity baseball team to travel to Disney in Orlando, Florida on March 23-28, 2018 to participate in games and scrimmages to prepare for the season. The cost for transportation per student is \$350.00 paid by the students. The cost for lodging and the activity is \$450.00 paid by the students. There is no cost to the district.**

Curricular Trips:

- I. Motion to approve Mr. Chris Vogel and Mrs. Mary Anne Hrin, teachers to accompany the high school choir to travel to Skokie, Illinois on February 6-11, 2018 for a performance and adjudication by the faculty from Northwestern University. The cost for transportation is \$207.13 per student paid by the students. The cost for lodging is \$200.00 per student paid by the student. There is no cost to the district.**
- J. Motion to approve Mrs. Michele Lunn and Mrs. Holly Dunleavy, teachers, to accompany the middle school 7th grade to travel to the Pocono Environmental Education Center (PEEC) in Dingmans Ferry, Pennsylvania on May 9-11, 2018. The cost for transportation is \$65.00 per student paid by the students. The cost for lodging and the activity is \$198.00 per student paid by the students. There is no cost to the district.**

Clubs:

- K. Motion to approve the Future Healthcare Professionals Club at the high school. The purpose of this club is to enlighten fellow students on the health care profession and give them an opportunity to participate in local charity events. The club advisor will be Ms. Jackie Pino.**

Disposal of Library Books for Paxon Hollow Middle School:

- L. Motion to approve the disposal of assorted trade books for all content areas as per the list presented. All trade books are in poor condition.**

Technology:

- M. Motion to approve the purchase and installation of wireless equipment and security cameras at the Marple Newtown High School stadium at a cost of \$13,792.96.**
- N. Motion to approve Integra One, 7248 Tilgham Street, Suite 120, Allentown, PA 18106 to perform a network security assessment at a cost of \$11,800.00.**

Agreement:

- O. Motion to approve the Marple Newtown Joint Recreation Commission to provide a lifeguard at all Marple Newtown High School Swim Team practices and home meets starting from November 1, 2017 through March 2, 2018 in order to be compliant with the new Red Cross regulations. The approximate cost to the district for the season will be \$5,000.00.**

Meeting adjourned at 9:20 p.m.

Respectfully submitted,

Carolyn Paine