

**CURRICULUM, INSTRUCTION AND TECHNOLOGY COMMITTEE**  
**TUESDAY, April 19, 2016**  
**GAUNTLETT CENTER BOARD ROOM**

**PRESENT:**                **Committee:** Mr. Leonard Altieri, Mr. Matthew Bilker, Mrs. Barbara Harvey,  
Ms. Stavroula Kotrotsios

**Board:**

**Administration:** Dr. Carol Cary, Dr. Constance Bompadre, Mr. Chris Lee, Ms.  
Sandra Schaal, Dr. Jo Johnston, Dr. Richard Slonaker, Dr. Greg Puckett, Mr. Don  
Tabar

**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 March, 2016 minutes were approved by the committee.

**IV. Approval of Agenda**

The agenda was approved by the committee.

**V. Discussion/Informational Items**

A. Keystone Exam Schedule – *Dr. Greg Puckett*

Last year, the committee approved (3) 2/12 hour delay days to accommodate student testing in May. Dr. Puckett and Mr. Tabar are requesting an additional day and said that 6 days would be ideal. The delays would be on May 18<sup>th</sup> and May 19<sup>th</sup>. The Seniors last day is May 20<sup>th</sup>. There would be delays on May 25<sup>th</sup> and May 26<sup>th</sup>. Teachers of Seniors would be able to help proctor Keystone Exams. A motion was made to request a 4<sup>th</sup> day. Mr. Tabar explained that parents need to be notified by April 25, 2016 of the 2 ½ hour delay days.

B. Textbook Adoptions and Accompanying Resources

1. Social Studies – *Ms. Sandra Schaal*

Ms. Schaal explained to the committee that Social Studies is in the identifying weaknesses and strengths phase of the Curriculum Cycle. The sixth grade teachers mentioned that they miss teaching history. They will keep the thematic mapping labs and add Ancient History. Teachers feel this will be a good match for the students. Ms. Schaal will work with a TCI representative to pilot History Alive! Ancient History.

Ms. Schaal said that all of human history has been taught over 9<sup>th</sup> and 10<sup>th</sup> grade (World Cultures and Civilizations I & II). Moving the unit, From Agricultural to Modern Societies, to 9<sup>th</sup> grade gives 10<sup>th</sup> grade some breathing space.

AP World History has been redesigned to include emphasis on historical thinking and to increase use of primary sources. Ms. Schaal has proposed the adoption of Discovering the Global Past, Volume I and II to reinforce historical thinking.

The electronic keyboards at Paxon Hollow are 10 years old. While Mary Anne Hrin has done an excellent job of maintaining the piano lab, the keyboards are not reliable anymore. The cost is approximately \$7,000 for replacement.

Ms. Schaal requested an additional year's purchase of TCI licensing for 11<sup>th</sup> and 12<sup>th</sup> grades to get through to year 7.

## 2. Science & Technology Education – *Dr. Josephine Johnston*

Dr. Johnston thanked the Board for their support with science and technology. She would like to expand the course offerings and spoke about the Anatomy & Physiology model that she would like to add. There is the more traditional course that would use the text, Essentials of Human Anatomy & Physiology, 11<sup>th</sup> Edition, Copyright 2015. This text presents a “story” that is easily understood. It is strong in art and text integration, including 3-D anatomy drawings. Total cost is \$4,977. There is PLTW (Project Lead the Way) that provides a comprehensive approach to STEM education. The College Board and Project Lead the Way have partnered on a program to encourage student participation in STEM and build their interest in STEM degrees and careers. Dr. Johnston provided a detailed handout to the committee and will provide a link to Board members, if they wish. Ongoing professional development is included in the cost. Students must have completed Biology before they can take the Anatomy & Physiology course.

## 3. French – *Mrs. Kerri Confora*

Mrs. Confora presented for adoption the text, Imaginez, for French V Honors. The text is aligned to the standards and is very user friendly. It also includes many teacher resources. Mrs. Confora is requesting 30 textbooks/workbooks and a 6 year license.

The goal is to increase student communication.

#### 4. Spanish – *Mrs. Nicole Wagner*

Mrs. Wagner presented for adoption the text, Asi se dice, for Spanish IV and V. The adoption will include student texts, workbooks, audio, grammar and dialog activities. Teacher resources will also be included.

Mrs. Wagner hopes for students to continue their language studies.

#### 5. Math & Physical Education – *Dr. Richard Slonaker*

Dr. Slonaker explained to the committee that the Power Teaching grant will expire at Paxon Hollow and the current high school texts are outdated, out of print, and not aligned to state standards. The current materials do not meet the needs of all learners. He put together a selection team of broad representation. Secondary math teachers reviewed 4 programs. Materials were placed at the middle and high schools for two months for review. Teachers were also allowed to take the materials home. There were also publisher representations. Teachers eliminated one program during the initial review.

The choice for the Middle School Program is Math in Focus. The choice for the High School Program is Houghton Mifflin Harcourt. The committee believes that continuity is important and that both programs will mesh well. They also reflected on presentations and discussed the strengths and weaknesses of each program.

High school health teachers reviewed resources from several publishers. Materials were placed at the high school for one month for review. The Health team decided to utilize one text for the both Health I and II. The team for Strength Training also decided to utilize one text for Strength Training I and II.

Elementary and Middle School feel that the current resources continue to meet their needs. They have asked for models and manipulatives to help support the current resources.

Math Acceleration – Dr. Slonaker proposed a new acceleration model that would eliminate “grade skipping”. He would like to roll out the new model in 3<sup>rd</sup> grade of the next school year. Student would move through the curriculum in 1.5 years. The new proposal would allow for greater flexibility in scheduling and teacher schedules.

#### C. Registration for MNSD Web Domains – Mr. Christopher Lee

Mr. Lee told the committee that it would cost \$1500 for a 20 year commitment for the MNSD Web Domain.

D. Malware Bytes Subscription – Mr. Christopher Lee

Mr. Lee explained that the end user is the weakest link. He would like to add another level of security by to protect the computers themselves. The software would cost \$30,000 for 3 years. The money is budgeted.

E. 2016-2017 School Year Computer Lease – Mr. Christopher Lee

The high school lease is composed of 3 phases. Mr. Lee would like to replace the desktops and some of the laptops of the initial lease. There are over 500 laptops dedicated for student use in both classrooms and carts. Mr. Lee is currently working with HP Microsoft to acquire incentives. The total cost would be \$135,000.

## VI. Motions

The following motions have been moved along to the full Board:

**Agreements:**

- A. Motion to approve the Educational Partnership Agreement for College Credit for High School Students between MNHS and Cabrini College.**

**Student Trips:**

- B. Motion to approve Mrs. Kerri Confora, teacher, to accompany 15-20 students to travel to Montreal & Quebec, QC Canada on June 24-28, 2017. The total cost per student is \$1,051.00 paid by the students. There is no cost to the district.**

**Clubs:**

- C. Motion to approve the PHMS Jurassic Club. The purpose of this club is to have fun and learn more about dinosaurs and other prehistoric creatures. The club advisor is Mr. Seth Millrood.**

**Keystone Exam Schedule for the High School:**

- D. Motion to approve one additional late start for high school students not taking Keystone exams during this spring session. This request increases the number of late starts from 3 to 4 mornings.**

**Technology:**

- E. Motion to approve the registration of the [MNSD.org](http://MNSD.org) and [MNSD.net](http://MNSD.net)**

domains for a period of 20 years at a total cost of \$1,520.

**F. Motion to approve the purchase of Malware Bytes anti-virus software for a period of three years at total cost of \$30,000.**

**G. Motion to approve the 2016-2017 school year computer lease for a period of five years at a cost of \$135,000 per year.**

**Adoptions:**

**H. Motion to approve the adoption of the following textbooks, software and equipment:**

**MATH (Grade 6) Student Resources**

1. HMH Math in Focus; Singapore Math Student Edition Set, Course 1, 2012  
ISBN 9780547618098
2. HMH Math in Focus; Singapore Math Online Student Edition Bundle, 6 year Course 1, 2012, ISBN 9780547679600

**MATH (Grade 6) Teacher Resources**

1. HMH Math in Focus; Singapore Math Teacher Edition Set, Course 1, 2012  
ISBN 9780547618128
2. HMH Math in Focus; Singapore Math Activity Book, Course 1  
ISBN 9780547578972
3. HMH Math in Focus; Singapore Math Extra Practice Set, Course 1  
ISBN 9780547618012
4. HMH Math in Focus; Singapore Math Reteach Set, Course 1  
ISBN 9780547618029
5. HMH Math in Focus; Singapore Math Enrichment Book, Course 1  
ISBN 9780547578873
6. HMH Math in Focus; Singapore Math Assessment Book, Course 1  
ISBN 9780547579030
7. HMH Math in Focus; Singapore Math Transitions Guide, Course 1  
ISBN 9780547579092
8. HMH Math in Focus; Singapore Math Solutions Key, Course 1  
ISBN 9780547579108

9. HMH Math in Focus; Singapore Math Student Manipulative Kit, Course 1-3  
ISBN 9780547626369
10. HMH Math in Focus; Singapore Math Online Teacher Edition Bundle, 6 Year,  
Course 1, 2012 ISBN 9780547676791
11. HMH Math in Focus; Singapore Math Online Interactive Whiteboard Lessons, 6  
Year, Course 1, ISBN 9780547676852

### **MATH (Grade 7) Student Resources**

1. HMH Math in Focus; Singapore Math Student Edition Set, Course 2, 2013  
ISBN 9780547618111
2. HMH Math in Focus; Singapore Math Online Student Edition Bundle, 6 year Course  
2, 2013, ISBN 9780547676838

### **MATH (Grade 7) Teacher Resources**

1. HMH Math in Focus; Singapore Math Teacher Edition Set, Course 2, 2013  
ISBN 9780547618135
2. HMH Math in Focus; Singapore Math Activity Book, Course 2  
ISBN 9780547579054
3. HMH Math in Focus; Singapore Math Extra Practice Set, Course 2  
ISBN 9780547618043
4. HMH Math in Focus; Singapore Math Reteach Set, Course 2  
ISBN 9780547618050
5. HMH Math in Focus; Singapore Math Enrichment Book, Course 2  
ISBN 9780547578941
6. HMH Math in Focus; Singapore Math Assessment Book, Course 2  
ISBN 9780547579047
7. HMH Math in Focus; Singapore Math Transitions Guide, Course2  
ISBN 9780547618081
8. HMH Math in Focus; Singapore Math Solutions Key, Course 2  
ISBN 9780547579115
9. HMH Math in Focus; Singapore Math Online Teacher Edition, 6 Year,  
Course 2, 2013, ISBN 9780547676784

10. HMH Math in Focus; Singapore Math Student Manipulative Kit, Course 1-3  
ISBN 9780547626369
11. HMH Math in Focus; Singapore Math Online Interactive Whiteboard Lessons, 6  
Year, Course 2, ISBN 9780547676906

### **MATH (Grade 8) Student Resources**

1. HMH Math in Focus; Singapore Math Student Edition Set, Course 3, 2013  
ISBN 9780547618104
2. HMH Math in Focus; Singapore Math Online Student Edition Bundle, 6 year Course  
3, 2013, ISBN 9780547676838

### **MATH (Grade 8) Teacher Resources**

1. HMH Math in Focus; Singapore Math Teacher Edition Set, Course 3, 2013  
ISBN 9780547618142
2. HMH Math in Focus; Singapore Math Activity Book, Course 3  
ISBN 9780547578989
3. HMH Math in Focus; Singapore Math Extra Practice Set, Course 3  
ISBN 9780547618036
4. HMH Math in Focus; Singapore Math Reteach Set, Course 3  
ISBN 9780547618067
5. HMH Math in Focus; Singapore Math Enrichment Book, Course 3  
9780547579016
6. HMH Math in Focus; Singapore Math Assessment Book, Course 3  
ISBN 9780547579061
7. HMH Math in Focus; Singapore Math Transitions Guide, Course 3  
ISBN 9780547618074
8. HMH Math in Focus; Singapore Math Solutions Key, Course 3  
ISBN 9780547579139
9. HMH Math in Focus; Singapore Math Online Teacher Edition, 6 Year,  
Course 3, 2013, ISBN 9780547676821
10. HMH Math in Focus; Singapore Math Student Manipulative Kit, Course 1-3  
ISBN 9780547626369

11. HMH Math in Focus; Singapore Math Online Interactive Whiteboard Lessons, 6 Year, Course 3, ISBN 9780547676951

### **MATH (Middle School and High School)**

1. HMH Algebra 1 Premium Classroom Package Enhanced 6 yr print/6 yr digital for 75 students, ISBN 9780544670419
2. HMH Algebra 1 Teacher Resource Package Enhanced Print w/6 yr digital ISBN 9780544670549
3. HMH Geometry Premium Classroom Package Enhanced 6 yr print/6 yr digital for 75 students, ISBN 9780544670587
4. HMH Geometry Teacher Resource Package Enhanced Print w/6 yr digital ISBN 9780544670716
5. HMH Algebra 2 Premium Classroom Package Enhanced 6 yr print/6 yr digital for 75 students, ISBN 9780544670754
6. HMH Algebra 2 Teacher Resource Package Enhanced Print w/6 yr digital ISBN 9780544670884

### **AP STATISTICS (High School)**

1. Bock, Velleman, DeVeaux, Stats: Modeling the World, 4/e, copyright 2015, Pearson Learning, AP Text Prep Guide NASTA, ISBN 9780133539844
2. Stats: Modeling the World 4e Student Edition + MyMathLab 6-Year Access ISBN 9780133541298
3. Stats: Modeling the World NASTA Teachers Edition ISBN 9780133518030
4. Stats: Modeling the World NASTA CD ROM, Replcmt I/R CD-ROM ISBN 9780133518047
5. Stats: Modeling the World NASTA Teachers Solution Manual ISBN 9780133259162
6. Stats: Modeling the World NASTA, 4/e Printed Test Bnk & R/G ISBN 9780133259155



## **WORLD LANGUAGES (High School)**

### **French V:**

Vista Higher Learning, Imaginez, Le Francais San Frontieres 3<sup>rd</sup> Edition, Joes A. Blanco, Publilsher. Copyright 2016 by Vista Higher Learning, Inc.

1. Imaginez 3e Student Edition (Hardcover) + Supersite Plus (vText (Online)) (6 year license) (eDelivery), ISBN 9781626808560
2. Imaginez 3e Student Activities Manual (10 pack), ISBN 9781680041736
3. Imaginez 3e Instructor Resource Pack A (w/Instructor Annotated Edition)  
ISBN 9781626808614
4. Imaginez 3e Testing Program, ISBN 9781626808393
5. Imaginez 3e Lab Audio MP3, ISBN 9781626808416
6. Imaginez 3e Instructor Resource Manual, ISBN 9781626808409

### **Spanish IV & V:**

Asi se dice, Level II & III. McGraw Hill, Publisher, copyright 2016

7. Asi se dice, Level 2 Student Suite 6 Year Subscription Bundle (print and digital),  
ISBN 9780076686018
8. Asi se dice, Level 2 Workbook and Audio Activities, ISBN 9780076668663
9. Asi se dice, Level 2 Teacher Wraparound Edition, ISBN 9780021412655
10. Asi se dice, Level 2 Teacher lesson Center 6 Year Subscription (includes all teacher resources), ISBN 9780026667765
11. Asi se dice, Level 3 Student Suite 6 Year Subscription Bundle (print and digital),  
ISBN 9780076666034
12. Asi se dice, Level 3 Workbook and Audio Activities, ISBN 9780076668519
13. Asi se dice, Level 3 Teacher Wraparound Edition, ISBN 9780021388219
14. Asi se dice, Level 3 Teacher lesson Center 6 Year Subscription (includes all teacher resources), ISBN 9780026694297

## **HEALTH AND PHYSICAL EDUCATION**

### **High School Health**

1. Comprehensive Health, Goodheart-Willcox, Publisher, copyright 2015
2. Comprehensive Health Bundle, includes Online Textbook for 7 yrs at the 6 yr price, ISBN 9781631265136
3. Comprehensive Health Workbooks, 2015, ISBN 9781619609518
4. Comprehensive Health PowerPoint, 2015, ISBN 9781619609556
5. Comprehensive Health Teachers Edition, 2015, ISBN 9781619609525
6. Comprehensive Health Exam View Test Software, 2015  
ISBN 9781619609549
7. Comprehensive Health Instructor's Resource CD, 2015  
ISBN 9781619609532
8. Weight Training – 4<sup>th</sup> Edition- Steps to Success, Human Kinetics, Publisher.  
ISBN 9781450411684

### **YOGA – High School**

1. Gym Wipes, Z1000-4
2. DVD-Yoga for Beginners and Beyond, 95009 Region 1 NTSC
3. DVD-Yoga Link: Core Integration, PRA27699
4. DVD-Yoga Beginners, 71009
5. ¼” Deluxe Yoga Mats, YP41MATXXX44
6. 4” Foam Yoga Blocks, YP41BLKXXX04BOGO
7. 6’ Cinch Buckle Cotton Yoga Straps, YP41STRXXX06BOGO
8. Small Rectangular Cotton Yoga Bolsters, YP42BOLXXXJR
9. Set of 100 Step-by-Step Yoga Cards, 9780754825302
10. Multi-purpose Storage Cart, Power-Systems 92582

### **Elementary Health - Supplies**

Nasco Hands-On Health (2016)

1. Life/form-Body Replicas, 5-lb Enhanced Calf Muscle, WA24038G
2. Fat Reduction in the Diet-A Prescription for Weight Control, WA042240G
3. Nasco's Toll-Up Balls, WA24179G
4. Nutrition Labels DVDE and Software Set, SB9441G
5. Death of an Artery, SB22334G
6. Artery Sections with Blockage, WA09742G
7. Clever Catch Exercise Ball, PE05358G
8. Fitness Dice, PE01241G
9. Dual Lungs Comparison Kit, LS03802G
10. Meteorite Mission, Z41689G

### **SCIENCE – High School**

1. Marieb, E., Essentials of Human Anatomy & Physiology, 11<sup>th</sup> Edition, Copyright 2015, Pearson Education, ISBN -13: 9780133481662
2. Shier, Butler, Lewis, Hole's Human Anatomy & Physiology, 12<sup>th</sup> Edition, Copyright 2009, McGraw-Hill Education, ISBN -13: 9780073403724/  
ISBN – 10: 0073403725
3. Project Lead The Way – Challenging and relevant four-course PLTW Biomedical Science sequence.

### **TECHNOLOGY/SOFTWARE – Middle School Science**

1. Explorelarning Gismos – Annual Gismos subscription (12 months for a department license)

## **TECHNOLOGY COURSES – High School**

### **Introduction to Software Development**

1. King, K.N., C Programming: a Modern Approach 2<sup>nd</sup> Edition, Copyright 2008, W.W. Norton & Company, Inc., ISBN: 9780393979503

## **COMPUTER SYSTEMS AND NETWORK FUNDAMENTALS**

1. Roberts, R., Networking Fundamentals 2<sup>nd</sup> Edition, Copyright 2012, Goodheart-Willcox Publisher, ISBN: 9781605253565
2. Network Simulator

## **ROBOTICS**

1. RobotC Software
2. VEX Robotics Kits

## **GAME DEVELOPMENT**

1. Games Factory 2 Software by Clickteam
2. Ploor, D.M., Video Game Design Foundations 2<sup>nd</sup> Edition, Copyright 2014, Goodheart-Willcox Publisher, ISBN: 9781619602786
3. Ploor, D.M., Video Game Design Composition, Copyright 2014, Goodheart –Willcox Publisher, ISBN: 9781605257693

## **SOCIAL STUDIES - Middle School and High School**

### **6-12 TCI Licensing Extension**

1. Middle School Teacher Subscription – Geography Alive! Regions and People, copyright 2011, Item Number: 4607-01
2. Teacher Subscription – History Alive! The Ancient World, copyright 2017  
Item Number: 2146-01
3. Student Subscription – Econ Alive! The Power to Choose, copyright 2015  
Item Number: 0458-01
4. Teacher Subscription – Econ Alive! The Power to Choose, copyright 2015

Item Number: 0427-01

5. Student Subscription – Government Alive! Power, Politics, and You, copyright 2014  
Item Number: 0229-01
6. Teacher Subscription – Government Alive! Power, Politics, and You, copyright 2014  
Item Number: 0212-01
7. Student Subscription – History Alive! Pursuing American Ideals, copyright 2013  
Item Number: 0862-01
8. Teacher Subscription: History Alive! Pursuing American Ideals, copyright 2013  
Item Number: 0854-01

### **SOCIAL STUDIES TEXTBOOKS – Middle School**

1. History Alive! The Ancient World, TCI Publisher, copyright 2017  
Item Number: 217-7

### **AP WORLD HISTORY – High School**

1. Merry E. Wiesner-Hanks; William Bruce Wheeler; Franklin M. Doeringer; Kenneth R. Curtis, Discovering the Global Past, Volume I, Cengage Learning, copyright 2012, ISBN-13: 9781111341428
2. Merry E. Wiesner-Hanks; William Bruce Wheeler; Franklin M. Doeringer; Kenneth R. Curtis, Discovering the Global Past, Volume II, Cengage Learning, copyright 2012, ISBN-13: 9781111341435

### **MUSIC EQUIPMENT – Paxon Hollow**

1. Keyboard Lab at Paxon Hollow (replacement)

Meeting adjourned at 9:40 p.m.

Respectfully submitted,

Carolyn Paine