NOTICE OF MEETING

Student Committee Agenda

Build a school system of choice by improving student performance
in a safe and diverse school atmosphere.

DATE: Wednesday, August 22, 2018

TIME: 4:00 p.m.

LOCATION: KOLAK EDUCATION CENTER
Superintendent's Conference Room 106
1633 Keeler Avenue
Beloit, WI 53511

COMMITTEE MEMBERS: John Wong, Chair
David Wilson, Vice Chair
Members: Heidi Andre, Kathy Crawford, Brian Gile, Andrea Heckner, JoAnne Ruch, and Sara Webster

ADMINISTRATIVE LIAISONS: Anthony Bonds and Emily Pelz

AGENDA

1. Call to Order
2. Approval of Agenda
3. Cell Phone Policy Update
4. Policy 345.6 Rule 1 Specific Graduation Requirements
5. Future Topics
6. Adjournment

Posted: August 21, 2018

School District of Beloit
Students Committee Report

August 22, 2018

I. BASIC INFORMATION

Topic or Concern: Cell Phone Policy Update (Policy 443.5 Student Use of Cellular Telephones – First Reading)

Which area(s) of the Strategic Plan does this support? Students Committee

Your Name and Title: Emily Pelz, Executive Director of Pupil Services

Others assisting you in the presentation: Anthony Bond, Assist. Supt. Teaching, Learning, & Innovation, and Ross Eberle, Instructional Technology Coordinator

My report is for: Action

II. TOPICAL INFORMATION

A. What is the purpose of presenting this to the Student Committee?

Revisions to the Cell Phone Policy have been made to reflect new procedures for student cell phone use at the high school level.

B. What information must the Student Committee have to understand the topic/concern and provide any requested action?

Yondr is a cell phone storage initiative that is being fully implemented at BMHS and BLA. The changes being made to the cell phone policy support the implementation procedures of the Yondr program.

C. If you are seeking Student Committee action, what is the rationale for your recommendation?

Administration is seeking approval of the cell phone policy revisions to support the implementation of Yondr.

D. What are your conclusions?

MOTION: Administration recommends that the committee recommend to the full Board of Education approval of the proposed revisions to Policy 443.5 Student Use of Cellular Telephones for first reading.

Please indicate if you are using an Existing Budget, requesting Fund Balance Monies or placement on the Budget Priority List: NA

Long Term Committed Funds? No

BUDGET LOCATION NA

FISCAL IMPACT: NA

STUDENT USE OF CELLULAR TELEPHONES

The Board of Education for the School District of Beloit believes that student use of cellular telephones (cell phones) during the normal school day can be disruptive to the educational environment. Therefore, students who bring cell phones to school must follow and abide by the conditions set forth in this policy. Also, students who do choose to bring cell phones to school do so at their own risk. The school is not responsible for or liable for the loss of a student cell phone and students are encouraged to take every precaution to prevent theft or damage to their personal device.

Students shall be permitted to use cellular telephones on school premises during the school day under the following conditions:

1. At the high school, students may use cell phones before and after school, during their lunch break, in between classes as long as they do not create a distraction, disruption or otherwise interfere with the educational environment. ~~At no time is it permissible for students to have their cell phones out during class time unless the teacher has given permission to students for an educational purpose.~~
2. At all other levels, student use of cell phones is permitted before and after the school day except as otherwise noted. The "school day" includes from the start of the first class until the end of the last class of the day.
3. The use of cell phones to take photographs or to receive or transport video images is prohibited at all times in locker rooms, restrooms and other similar areas where there is an expectation of privacy. The use of a cell phone to capture, record, and/or transmit audio and or pictures/video of an individual without proper consent is considered an invasion of privacy and is not permitted. Students who violate this provision and /or use the cell phone to violate the privacy rights of another person may have their cell phone confiscated and held until the end of the school day and may be directed to delete the audio and/or picture/video file while the parent/guardian is present. If the violation involves potentially illegal activity the confiscated cell phone may be turned over to law enforcement with the possibility of suspension or expulsion from school.
4. Students may not use cell phones in any way that might reasonably create, in the mind of another person, an impression of being threatened, humiliated, harassed, embarrassed, intimidated, bullied or other forms of aggressive behavior. In particular, students are prohibited from using cell phones to: 1) transmit material that is threatening, obscene, disruptive, or sexually explicit or that can be construed as harassment or disparagement of others based upon their race, color, national origin, sex, sexual orientation, disability, age, religion, ancestry, or political beliefs; and (2) engage in "sexting" – i.e., sending receiving, sharing , viewing, or possessing pictures, text messages, e-mails or other materials of a sexual nature in electronic or any other form. Violation of these prohibitions shall result in disciplinary action. Furthermore, such actions will be reported to local law enforcement and child services as required by law.

Students who are found in violation of this policy shall be subject to disciplinary action in accordance with Board Policy 443-447 Student Code of Conduct and Discipline. Students and parents shall be informed of this policy annually through the family handbook.

LEGAL REF.: s.s. 118.258

APPROVED: March 24, 2015

School District of Beloit
Students Committee Report

August 22, 2018

I. BASIC INFORMATION

Topic or Concern: Policy 345.6 RULE 1 Specific Graduation Requirements Revision (First Reading)

Which area(s) of the Strategic Plan does this support? Students Committee

Your Name and Title: Anthony Bonds, Assistant Superintendent

Others assisting you in the presentation: None

My report is for: Action

II. TOPICAL INFORMATION

A. What is the purpose of presenting this to the Student Committee?

Administration is seeking approval of a revision to Board Policy 345.6 RULE 1 Specific Graduation Requirements.

B. What information must the Student Committee have to understand the topic/concern and provide any requested action?

The vast majority of our high school students are significantly behind in mathematics. As a result, our student achievement in mathematics is extremely low. For example, in 2016-17 only 13.5% of SDB students were proficient in math compared to 35.8% of students statewide. Currently, a high school student can go a full year and a half without ever taking a math course. Consequently, most SDB students never take or complete the required math courses deemed necessary to be ACT ready.

Several efforts are underway to improve outcomes for students, including the implementation of new math curriculum and study skills/test prep classes and the restructuring of the high school schedule. Requiring students to take a math class consecutively for 2 years starting their freshman year is another effort to improve student performance and outcomes in mathematics. The revision will ensure math instruction is received all year long for 2 years. And, it will increase the number of students completing the required classes deemed necessary to be ACT ready. Students who successfully complete Algebra, Geometry and Algebra II before second semester of their junior year are exempt from this requirement.

C. If you are seeking Student Committee action, what is the rationale for your recommendation?

Requiring students to take a math class consecutively for 2 years starting their freshman year is another effort to improve student performance and outcomes in mathematics.

D. What are your conclusions?

MOTION: Administration recommends that the Student Committee recommend approval of revisions to Policy 345.6 RULE 1 Specific Graduation Requirements for first reading to the full Board of Education. Specifically, requiring students to take a math class each semester during their freshman and sophomore year. Students who have successfully completed Algebra, Geometry and Algebra II before second semester of their junior year are exempt from this requirement.

Please indicate if you are using an Existing Budget, requesting Fund Balance Monies or placement on the Budget Priority List: N/A

Long Term Committed Funds? No

***BUDGET LOCATION*:** N/A

***FISCAL IMPACT*:** N/A

SPECIFIC GRADUATION REQUIREMENTS

1. A minimum of 26 Carnegie credits shall be presented to qualify for graduation from high school. Such units shall be distributed among the various subjects as follows:

English	4 credits	including written and oral communication, grammar usage of the English Language and literature but excluding electives
Social Studies	3credits	
Science	3 credits	including one credit from Physical Science 9 or Accelerated Physical Science 9, one half credit (0.5) from Ecology and one half credit (0.5) from Human Biology and at least one elective credit.
Mathematics	3 credits	At least one credit from three different Math courses. Students are required to take a math class each semester during their freshman and sophomore year. Students who have successfully completed Algebra, Geometry and Algebra II before second semester of their junior year are exempt from this requirement. ~~Students must be enrolled consecutively for 2.5 years starting their Freshman year through their fall semester of Junior year.~~
Personal Finance	½ credit	beginning with the Class of 2019
Physical Education	1½ credits	
Health	½ credit	
College & Career Readiness	½ credit	Starting with the class of 2021, including Freshman Seminar, AVID or College & Career Readiness Seminar
Elective Courses	10 credits	

   a. All students shall be required to take a full schedule each year during their four years in high school or be enrolled in a Board approved activity after achieving senior status. Senior students, who demonstrate a high level of maturity and personal responsibility, as determined through teacher recommendation, counselor recommendation, and principal approval, may be allowed to have one release period per quarter or semester.

   b. A credit shall be granted for a course which meets for a class period of 80 to 85 minutes, five days a week for one semester or which meets for a class period of 40 to 45 minutes, five days a week for the entire school year. Proportional credits shall be granted for classes, which meet less frequently, for shorter daily periods, or for less than the full year.

   c. Students in grades 9-12 in the School District of Beloit may earn credits toward a BMHS diploma by participating in:
      - pre-approved courses through accredited university or colleges,
      - transfer from approved high schools or other schools of comparable academic level
      - alternative programs including online courses
      - pre-approved correspondence courses
      - examination to meet the requirements for a particular course.

      The principal shall be the sole determiner of the credits awarded for these courses.

d. Students may meet credit requirements through the successful completion of an approved Individualized Educational Program (IEP), Differentiated Learning Plan (DLP), and or Section 504 Plan.

2. Students may be eligible for a Beloit Memorial High School diploma if the student is enrolled in an alternative education program, approved by the School District of Beloit Board of Education. Pursuant to § 118.33(1)(d) credit and distribution of credit requirements may be waived by the Board for pupils enrolled in an alternative education program, as defined in s. 115.28 (7) (e). Approved programs include:

   - HSED
   - Approved District Sponsored Alternative Programs
   - Other Alternative Programs as approved by the Board of Education

3. In compliance with Wisconsin Act 55 (2015), any student graduating from high school in the School District of Beloit must take a civics test comprised of 100 questions that are identical to the 100 questions that may be asked of an individual during the process of applying for U.S. citizenship by the United States Citizenship and Immigration Services. Students must correctly answer at least 60 of those questions. (Section 3266R, 118.33(1m)(a)1.) Students who have an IEP must complete the test but are not required to achieve 60% accuracy in order to graduate. (118.33(1m)(a)) Students who have limited English-proficiency will be allowed to take the test in their language of choice. (118.33(1m)(a)3) Students may retake the test as often as needed to achieve a passing score. (118(1m)(a)4)

4. ~~Students must be enrolled consecutively for 2.5 years starting their Freshman year through their fall semester of Junior year~~. Students are required to take a math class each semester during their freshman and sophomore year. Students who have successfully completed Algebra, Geometry and Algebra II before second semester of their junior year are exempt from this requirement.

CROSS REF.: Beloit Memorial High School Course Selection Booklet
Wisconsin Act 55 (2015)

REVISED: April 22, 2014
November 24, 2015
August 22, 2017

REPRINT: April 5, 2002

Mathematics Department

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
Pre-Algebra (C1055)	X				1	Placement by District Curriculum Team
Algebra 1 (C1050)	X	X			1	
Geometry (C1084)	X	X	X	X	1	Recommended C or better in Algebra 1
Algebra 2 (C1060)	X	X	X	X	1	Recommended C or better in Algebra 1 and Geometry
Trigonometry and Advanced Topics (C1090)		X	X	X	1	Recommended C or better in Algebra 2 and Geometry
Pre-Calculus (C2000)		X	X	X	1	Recommended C or better in Trigonometry & Advanced Topics
AP Mathematics: Calculus 1 (AB) (C2010)			X	X	1	Recommended C or better in Trigonometry and/or Advanced Topics or Pre-Calculus
AP Mathematics: Calculus 2 (BC) (C2015)			X	X	1	Recommended C or better in Trigonometry and Advanced Topics or Pre-Calculus, Calculus AB
Probability and Statistics (C1010)	X	X	X	X	1	Recommended C or better in Geometry w/ teacher recommend
AP Mathematics: Statistics (C1020)			X	X	1.5	Recommended C or better in Algebra 2
BTC: Math For Technical Careers 1 (C1093)		X	X	X	0.5	Algebra 1 and Geometry
BTC: Math For Technical Careers 2 (C1094)		X	X	X	0.5	Recommended C or better in Math For Technical Careers 1
PLTW: Introduction to Computer Science (C3025)		X	X	X	1	Recommended C or better in Algebra 1 (Elective Math Credit)
PLTW/MSOE: Computer Science & Software Engineering (C3024)		X	X	X	1	High level math skills recommended (Elective Math Credit)

Classic Mathematical Courses

PRE-ALGEBRA (C1055) 1.0 credit
Grade: 9 (or above with Dept. Chair approval)
Prerequisite: Placement by Department Chair & Math Interventionist.
Content: This is not a self-selected class. Students will be placed in this class based on academic need. The target audience for this course is primarily freshmen whose end of year 8th grade MAPS math test score indicates deficiencies in mathematics that would prevent success in Algebra 1. Placement in this course will be made based on MAPS test scores and will be the decision of the Math Department Chair, Math Interventionist and high school administration. This course will address specific skills necessary for success in high school mathematics and will focus on providing students with the opportunity to learn the foundational skills necessary for Algebra. Fact fluency will continue to be practiced as students explore pre-algebra concepts such as recognizing patterns, solving equations, graphing functions, using proportional reasoning, developing and applying geometric formulas, and applying probability and statistical concepts. Students will learn when it is appropriate to use technology as a tool to help solve more complex mathematical problems.

ALGEBRA 1 (C1050) **1.0 credit**
Grade: 9, 10
Content: This course deals with the theory of Algebra and requires an ability to grasp abstract concepts. Students will study algebraic expressions, real numbers, solving equations and word problems, polynomials, operations with polynomials, special products and factoring, algebraic fractions, functions, relations, graphs, rational and irrational numbers and quadratic equations. Basic fact fluency is expected and reinforced in this course.

GEOMETRY (C1084) **1.0 credit**
Grades: 9, 10, 11, 12
Prerequisite: Successful completion of Algebra I
Content: This course encompasses all the dimensions of the understanding of geometry: its shapes and forms; the skills of drawing, measurement, and visualization; its properties and deductive nature; its many uses; and the algebraic representation of geometry. The course emphasizes the concepts of coordinates, transformations, area, volume, congruence and similarity in relation to how they can be applied to solve problems in the physical world. Proof-writing and algebraic manipulation is extensively developed throughout the course.

ALGEBRA 2 (C1060) **1.0 credit**
Grades: 9, 10, 11, 12
Prerequisite: Recommended C or better in Algebra I, Geometry
Content: This course requires a mastery of Algebra 1 material. The skills and concepts from Algebra 1 are the foundation of this course. Topics taught in this course include linear and quadratic equations and systems, linear and quadratic inequalities and systems, polynomial functions, radical functions, rational functions, logarithmic and exponential functions, conic sections and graphing a variety of functions. Both basic skill fluency and appropriate concept application are stressed in this course.

Statistical Mathematical Courses

PROBABILITY AND STATISTICS (C1010)
Grades: 9, 10, 11, 12 **1.0 credit**
Prerequisite: Successful completion of Algebra 1 and Geometry
Content: This course is designed to meet the needs of students who have interest in pursuing careers that require interpreting and understanding data. In this course we will explore a large range of topics with an emphasis on “real world” applications. Technology plays an important role in statistics and probability by making it possible to generate plots, regression functions, and correlation coefficients, and to simulate many possible outcomes in a short amount of time. Students will regularly apply the tools of technology including graphing calculator and computer to solve problems. They will be challenged through critical thinking exercises and participate in various group and individual activities that will enhance their mathematical reasoning ability and communication skills throughout real world applications.

ADVANCED PLACEMENT MATHEMATICS: STATISTICS (C1020) **1.5 credits**
Grades: 11, 12
Prerequisite: Recommended C or better in Algebra 2
Content: The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students who do well in this course are encouraged to take the advanced placement Statistics exam for possible college credit. In May, the College Board offers examinations for the AP classes. Students who perform well on the exam may earn college credit. A graphing calculator is required.
Fee: 100% of Advanced Placement exam fee.

Advanced Mathematical Courses

TRIGONOMETRY AND ADVANCED TOPICS (C1090) 1.0 credit
Grades: 10, 11, 12
Prerequisite: Recommended C or better in Geometry and Algebra 2
Content: Students will begin with the study of right triangle trigonometry including: functions, identities, unit circle, radian measure and vector applications. Students will solve oblique triangles using the laws of sine and cosine. Among the advanced topics to be discussed are logarithmic and exponential functions, vectors, parametric equations, polar coordinates and equations, operations with matrices, probability and statistics. A graphing calculator is required.

PRE-CALCULUS (C2000) 1.0 credit
Grades: 10, 11, 12
(Students intending to take Calculus should take this course the previous year, especially if Algebra 2 and Trigonometry grades were C or lower. This course is highly recommended for students who did not take honors math courses, but who wish to take AP Calculus or better prepare for college level math.
Prerequisite: Recommended C or better in Trigonometry and Advanced Topics
Content: Students will apply the theory presented in previous courses. The applications leading to Calculus will be developed. Also included is the study of higher order of polynomial functions as well as rational, radical, logarithmic and exponential functions. Sequences and series and the Binomial Theorem are also studied. The ability to connect mathematics with the outside world and the appropriate use of calculators are important components of this course. A graphing calculator is required.

ADVANCED PLACEMENT MATHEMATICS: CALCULUS 1 (AB) (C2010) 1.0 credit
Grades: 11, 12
Prerequisite: Recommended C or better in Trigonometry and Advanced Topics,
Content: This course covers limits and continuity, differentiation, anti-differentiation, integration techniques, and applications. The content of this course is equivalent to a first semester of calculus in college. Students who do well are encouraged to take the advanced placement Calculus AB exam in mathematics for possible college credit. Students should plan to purchase a graphing calculator. In May, the College Board offers examinations for AP classes. Students who perform well on the exam may earn college credit. A graphing calculator is required. **Fee: 100% of Advanced Placement exam fee.**

ADVANCED PLACEMENT MATHEMATICS: CALCULUS 2 (BC) (C2015) 1.0 credits
Grades: 11, 12
Prerequisite: AP Calculus AB
Content: This course deals with applications of integration, Taylor and Maclaurin Series, vector functions, parametric equations, polar equations, and applications of calculus to all of these topics. This course is the equivalent to the second semester of college calculus. Those students who do well are encouraged to take the Advanced Calculus BC placement exam in mathematics for possible college credit. In May, the College Board offers examinations for the AP classes. Students who perform well on the exam may earn college credit. A graphing calculator is required.
Fee: 100% of Advanced Placement exam fee.

Applied Mathematical Courses

BTC: MATHEMATICS FOR TECHNICAL CAREERS 1 (C1093) **0.5 credit**
Grades: 10, 11, 12
Prerequisite: Successful completion of Geometry
Content: This course offers an alternative to a traditional math sequence for students who are oriented to a trade or technical program. The target audience is students who lean towards technical college as a post-secondary option. The syllabus will be the same as the Shop Math class offered at Blackhawk Technical College and the class will be articulated for credit at BTC. This course can be taken only after the two-year mathematics requirement for graduation has been fulfilled.
Objectives include; 1) performing arithmetic operation on whole numbers, 2) reading and locating coordinate points in rectangular coordinate systems by absolute and incremental methods, 3) performing arithmetic operations with fractions, 4) performing arithmetic operations with decimals, 5) using ratios and proportions to solve application problems, 6) solving percentage problems, 7) converting within and between US Customary and Metric Systems, 8) find taper angles and taper errors.

BTC: MATHEMATICS FOR TECHNICAL CAREERS 2 (C1094) **0.5 credit**
Grades: 10, 11, 12
Prerequisite: Recommended C or better in Mathematics for Technical Careers 1
Content: This course is a continuation of Mathematics for Technical Careers 1 and includes operations with signed numbers, the use of constants in the study of circles and regular geometric shapes and their dimensions as well as finding areas, volumes, and lateral surface areas of regular solids. An introduction to algebra, formulas and linear equation solutions, the use of trigonometry for solving right triangles and oblique triangles is included.

Project Lead the Way Courses

COMPUTER SCIENCE ESSENTIALS (F3025)
(Previously titled: INTRODUCTION TO COMPUTER SCIENCE)
Grades: 10, 11, 12 **1.0 credits**
Prerequisite: Geometry recommended.
Content: Designed to be the first computer science course for students who have never programmed before, CSE is an optional starting point for the PLTW Computer Science program. Students create interactive stories in Scratch™ (an easy-to-use programming language); work in teams to create simple apps for mobile devices using App Inventor; and analyze data about students' health, social habits, and interests using functions in Excel®. Students will learn the impact of computing in society and the application of computing across career paths. They will also transfer the understanding of programming gained in App Inventor to a third language, Python®, in which they learn introductory elements of text-based programming. The course aligns with the Computer Science Teachers Association (CSTA) 3A standards. Students can earn elective math credit with the successful completion of this course.

COMPUTER SCIENCE PRINCIPLES (F3024)
Previously titled: COMPUTER SCIENCE AND SOFTWARE
Grades: 10, 11, 12 **1.0 credit**
Prerequisite: Computer Science Essentials and Geometry recommended.
Content: CSP implements the College Board's CS Principles framework. Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. This course can be a student's first course in computer science, although we encourage students without prior computing experience to start with Computer Science Essentials. CSP helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. The course aligns with CSTA 3B. Students can earn elective math credit with the successful completion of this course.