

Belleville Mennonite School

2009-2010 High School Program

“In Christ are hidden all the treasures of wisdom and knowledge.” Colossians 2:3

Belleville Mennonite School provides a comprehensive Pre-K through Grade 12 **education** in a Christ-centered environment, and prepares students to **change the world** through Christ-like service, peacemaking, and leadership.



“(At BMS) I definitely learned how to prioritize my time efficiently with the class work and extracurricular activities I was involved with. That has helped me more than anything else in my transition to college life.” – John Dellape, BMS Class of 2008

Belleville Mennonite High School

2009-2010 Program Guide



“Seek first the Kingdom of God and His Righteousness and all of these things shall be added to you.” Matthew 6:33-34

Letter to Parents and High School Students

This program guide provides information about the High School program at Belleville Mennonite School. It reflects Belleville Mennonite School’s commitment to a strong, integrated academic program with an emphasis on mastery of skills.

After reviewing the High School program details, please complete and return the enclosed 2009-2010 registration form to the Superintendent’s office. The deadline for early registration (\$10 per student) is April 1, 2009, so please return your registration in a timely manner. After April 1st, the registration fee will increase to \$30 per student.

The aim of Belleville Mennonite School’s High School curriculum, and total school program, is that students may study subject matters in the framework of a Biblical worldview.

Thank you for entrusting your child’s education to Belleville Mennonite School.

What is a Biblical Worldview?

Integrating Biblical worldview “is **viewing all of life and learning from God’s perspective** and not from the perspective of ‘under the sun’ --the meaningless (vanity) discovered by the teacher and described in the book Ecclesiastes. Pursuit of academics (study and exploration), pleasure, work (career), achievement, and riches are all meaningless, in the final analysis, when viewed apart from God.”

How to Develop a Teaching Model for World View Integration, Martha MacCullough, EdD

The Christian school helps cultivate a worldview that **gives God His rightful place**, and it **looks to the Bible for guidance** in answering life’s big questions.

The Distinctives of Christian Schooling, Derek Kennan, EdD

Belleville Mennonite School

Developing Minds. Building Faith. Making Disciples.

BELLEVILLE MENNONITE HIGH SCHOOL
Descriptions of Course Offerings

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BELLEVILLE MENNONITE HIGH SCHOOL

Credit/Curriculum Requirements

A. All students must accumulate a total of at least 26 credits to meet graduation requirements.

B. All students must complete the following required courses to graduate:

1. Bible	.....Four Years	.....1.60 Credits
2. English/Literature *including Honors	.....Four Years	.....4.0 Credits
3. Social Studies*	.....Four Years	.....4.0 Credits
4. Science*	.....Three Years	.....3.0 Credits
5. Mathematics*	.....Three Years	.....3.0 Credits
7. Physical Education	.....Four Years	.....1.6 Credits
8. Spanish	.....Two Year	.....2.0 Credits
9. Technology	.....Two Years	......8 Credits
10. Foundation Studies	.....Two Years	......8 Credits
11. Electives ¹		.....5.2 Credits
12. Community Service	.....Four Years	.....10 hours/year

SPECIAL NOTES:

1. A core class is one that provides a minimum of 120 hours of instructional time for a full year earning one (1.0) credit for a full year or one-half (0.5) credit for a semester.
2. All students will register for a minimum of 6.0 credits.
3. Study halls are limited to one per day.
4. All registration forms must be signed by the parent or guardian and student.
5. Juniors and Seniors are required to take the equivalent of four full credit core classes. Please see the Guidance Counselor to discuss additional opportunities.

****To enter any of the Honors courses, students must have an "A" average in the previous school year in that particular subject and a recommendation from that faculty member.***

¹ Pennsylvania Law (Chapter 5) requires all students beginning with the Class of 1988 to pass two credits in the Arts and Humanities. Humanities include: foreign language or electives in English and Social Studies. Arts include: Music or Art.

BELLEVILLE MENNONITE HIGH SCHOOL

Program Studies by Curriculum

The curriculum at Belleville Mennonite School is designed to provide a Biblical worldview in every area of study. Elective courses are offered to obtain a comprehensive program.² It is possible for each student to select a program that prepares him/her for higher education and a career under the Lordship of Jesus Christ.³

The schedules outlined below are recommended.

<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
English/Literature	English/Literature	English/Literature	English/Literature
World Cultures	World Cultures II	American History I	American History II United States Government
Algebra I or Algebra II or Consumer Math or GPS Pre-Algebra	Algebra II or Geometry or Consumer Math	Algebra II or Geometry or Advanced Math (Trig/Algebra III) Business Math or Accounting	Calculus or Advanced Math (Trig/Algebra III) or Business Math or Accounting Statistics –Online course Math for the World of Work
Earth Science or Biology	Earth Science or Biology	Chemistry or choice of Physics or Environmental Science Human Biology	Chemistry or choice of Physics or Environmental Science Human Biology
Spanish 1	Spanish 2	Spanish 3	Spanish 4
Physical Education 1	Physical Education 2	Physical Education 3	Physical Education 4
Computer 1	Computer 2	Advanced Technology	Advanced Technology
Old Testament Survey	New Testament Survey	Church History/ Bible Doctrine	Christian Discipleship
Elective	Elective	Elective	Elective
Driver's Ed	Health		

² Additional elective courses are offered on-line including AP opportunities. See page 13.

³ Course offerings include honors in English Literature, Social Studies, Math, Sciences, Spanish, Bible and appropriate on-line courses.

BELLEVILLE MENNONITE HIGH SCHOOL

Standard for Grade Point Determination

Grades are important to a student in that they represent standards of achievement. They are a professional judgment by a teacher of the extent to which students have achieved the objectives of a course. (This may include class participation.)

Grades are important to potential employers and for admission to college; therefore, it is in the student's best interest to maintain the finest grades possible. More important than the actual grade received, however, is that Christian stewardship demands that no less than our best in all areas of life, whether or not a formal evaluation is expected.

The following letter grades are used.

<u>GRADES</u>	<u>DEFINITION</u>
A	Excellent 94-100
B	Above Average 86-93
C	Average 77-85
D	Unsatisfactory, but passing 70-76
F	Not Passing-Below 70
I	Incomplete

A student's grade will be determined by weighted point average. Point values are accumulated from exams, quizzes, homework, and other objective grading activities. An objective measurement tool (rubric) will be used to assess point value to projects, class participation, and other subjective graded activities. The student's grade average for the marking period is calculated by dividing total points earned by total points possible.

Teachers may utilize another method if it is weighted and approved by the High School Principal.

Weighted courses require a commitment to learning that challenges and stretches. Written departmental approval is required for enrollment. An additional quality point is applied to these courses in recognition of the increase in difficulty and work. For example, an "A" in one of these courses is worth a 5.0 compared to a 4.0 in a standard class.

ART

ART12 – .2 Credit

ART14 – .4 Credit

ART16 – .6 Credit

ART18 – .8 Credit

ART20 – 1 Credit

Credits vary according to number of class periods. – Grades 9 - 12

Art Elective at BMS is designed to allow students some freedom to explore various art media. Each medium is developed more in depth than in prior art classes. New and more sophisticated art media are also explored. Students are encouraged to complete at least one art project for every five class periods they have scheduled. This can vary according to student work styles and projects. I try to be flexible and consider each individual situation. Students are expected to do some decision-making regarding the projects they work on. They may choose from a selection of art media to experiment with or concentrate on. Students have the opportunity to express themselves through art and to glorify God in their art. This course also builds on previous years of art experience, helping students to improve their skills and to better appreciate the beauty around them.

BIBLE

BIBL10 - Old Testament Survey – 0.4 Credit – Grades 9 & 10

This class immerses the students in the stories of the Old Testament and focuses especially on the Torah to lay a foundation for understanding God’s plan of redemption through the Law, the tabernacle, and the sacrifice system. This course also demonstrates much of the reliability of scripture, delving into the timeline of scripture, predictive prophecy, difficult debates, and other subjects that are designed to cause the students to think about the Word of God in a different light.

BIBL20 - New Testament Survey – 0.4 Credit – Grades 9 & 10

This class is a survey of the New Testament. The students will be immersed in the stories and other writings in the Bible. Focus will be upon the major themes of the books and key verses. Through this class, students see how the New Testament is the divinely inspired World of God.

BIBL30 - Christian Discipleship – 0.4 Credit – Grades 11 & 12

“Go, make disciples....” These challenging words of Jesus Christ in Matthew 28:19 are meant for all believers. The purpose of the Christian Discipleship course at BMS is to help each student, followers of Christ, to fulfill this Commission in their own lives. The course includes basics on following Christ, the Lordship of Christ, forgiveness through Christ, the work of the Holy Spirit, learning to pray, fruit in the Christian life, spiritual warfare, developing a Christ-like attitude and much more.

BIBL40 - Church History and Doctrine – 0.4 Credit – Grades 11 & 12

Church History and Doctrine are taught as a one year course at Belleville Mennonite with Church History in the first semester and Christian Doctrine taught in the second semester.

Church history affects every Christian. It affects how we view our governments. It affects how we worship. Church history is a story. It’s a challenging story about ordinary people that God used in extraordinary ways. In this class, students will study a summary of the church’s story in words that everyone can understand. It is a story that gives a glimpse of 2,000 years of God’s work in the hearts of His people.

The study of Christian doctrine at Belleville Mennonite is based on the premise that the Bible is the divinely inspired Word of God. Nothing can take its place. This course discusses the great truths of the Bible. The Apostle Paul taught these great truths and young believers understood. In the same way, God’s Holy Spirit teaches believers in this class at BMS.

COMMUNITY SERVICE

RATIONALE: The mission of Belleville Mennonite School is to provide a comprehensive Pre-K through Grade 12 education in a Christ-centered environment, and prepare students to change the world through Christlike service, peacemaking, and leadership.

1. Students that participate in community service are actively preparing for a life of service.
2. Students involved in community service develop a better understanding of Christ's command to "love your neighbor as yourself."
3. College admission offices typically give students involved in community service a closer look.

Beginning with school year 2005-2006, BMS added a service component to the graduation requirements. This requisite recognizes the efforts of our students and supports the standards set for Christian leadership and service in our youth.

The community service component will include a minimum requirement of 10 hours of service each year in grades 9-12. Students who provide a minimum of 25 hours of service each year will be eligible for the Christian Servant Recognition award at graduation. Fifty percent of this requirement can be related to church activities or summer mission.

There is a multitude of service opportunities for students to perform. A few examples include organizations such as American Red Cross, Special Olympics, hospitals, nursing homes, food banks, Habitat for Humanity, and homeless shelters. Opportunities will also be available through class projects, Student Council and National Honor Society. Lists of community organizations who allow teenage volunteers will be available through the Guidance Office/Administration.

Activities for which a student will not receive approval include, but are not limited to:

- School appointed service hours (*Senior and Social Issues trips*)
- Political campaigning
- Services which are required activities for a class or school group
- Services performed for a family member
- Services performed for money
- Activities that are more social than service oriented

Questions regarding approval of activities may be directed to the Guidance Office/Administration. Service log forms will be available from any of the above staff members.

As soon as a project is completed, the service form should be completed, signed and returned to the homeroom teacher. Students should make a copy for their records. Completed forms will be kept on file until the student's graduation.

Service requirements for seniors must be completed no later than May 1.

DRIVER EDUCATION

DRED20 - Driver Education – 0.2 Credit – Grade 09

The main focus of Driver Education class is to cover the Pennsylvania Driver's Manual to prepare the students for taking the written test for their permit. Accident reports are an important part of the class as students analyze the different possibilities that could have contributed to the accident. There are also some videos and guest speakers that all help to make the students aware of the responsibility of driving. The grade is based on tests over the manual and the accident reports as homework assignments. The class meets one period per week.

ENGLISH

ENG10 - World Literature – 1 Credit – Grades 9 & 10

This course explores the literature of various countries and historical periods. The class will also study the different cultural and racial literature in the United States. Students will also be exposed to spelling, vocabulary, formal and informal writing styles. Speaking skills will be stressed in this class.

ENG20 - Grammar & Writing Workshop – 1 Credit – Grades 9 & 10

This course is designed to hone the students writing skills by studying grammar, spelling, vocabulary and different writing styles. Some highlights of the class will be persuasive, informative and expository writing as well as a research paper and a formal speech.

ENG30 - American Literature – 1 Credit – Grades 11 & 12

This course will study the different eras, genres and authors in our rich literary history. The class will look historically at works to discover their importance. Writing and public speaking will be stressed in this class.

ENG32 - Honors American Literature – 1 Credit – Grades 11 & 12

The subtitle of this course is “The American Dream and the American Nightmare.” This course will study the different eras, genres and authors in our rich literary history. The class will look historically at works to discover their importance. This class will also define some of the sociological environment of the U.S. during these time periods. Writing and public speaking will be stressed in this class. Independent reading will be critical in this class.

ENG40 - British Literature – 1 Credit – Grades 11 & 12

This course studies the literature of Wales, England, Scotland and Ireland. Historical context and influences are explored in this study of ancient to 20th century literature. The course is designed to help students learn to independently analyze literature. The course will also focus on college writing preparation.

ENG42 - Honors British Literature – 1 Credit – Grades 11 & 12

This course studies the literature of Wales, England, Scotland and Ireland. Historical context and influences are explored in this study of ancient to 20th century literature. This course involves independent, exploratory activities and learning. The class is designed to prepare students for the rigors of independent learning on the collegiate level. Reading, writing and analysis are the key elements of this course.

ENRICHMENT OPPORTUNITIES

A variety of Advanced Placement courses are available to students online. Students will designate one period a day to work on the online courses. Students taking AP courses may receive high school and college credit. High school credit is based on the completion of work for the course; college credit is based on the score obtained on the AP exam and is awarded at the discretion of the institution upon enrollment.

The following AP online courses will be available at BMS for the 2009-10 school year:

- AP English Language and Composition – Fall and Spring: 2 Semesters
- AP U.S. History – Fall and Spring: 2 Semesters
- AP U.S. Government and Politics: 1 Semester
- AP Calculus – Fall and Spring: 2 Semesters
- AP Statistics – Fall and Spring: 2 Semesters
- AP Biology⁴ – Fall and Spring: 2 Semesters

Other Online Courses:

There are other online courses available to students at Belleville Mennonite School. Please see either the Guidance Counselor or Superintendent for a more complete listing.

The World Campus

The World Campus makes its college credit courses available to high school students who are seeking additional enrichment courses that provide an opportunity for a head start on college credit. These courses are accepted at Penn State or other colleges.

Dual Enrollment

High school students also have the opportunity to participate in dual enrollment courses through Central Penn College and Saint Francis University. Students who successfully complete a dual enrollment course will receive high school and college credit for the same course.

EXPLORATORY COURSES

YB32 - Yearbook – 0.4 Credit – Grades 11 & 12

The yearbook staff is responsible for producing the *Kish-O-Vale*, the annual yearbook for BMS. Students attend class, but are also responsible for after-school meetings, photographing events, writing stories about events, advertising and selling yearbooks, selling business and personal ads, doing bookkeeping, computer work and public relations for BMS. This is a big responsibility and a considerable time commitment. Students working on the yearbook will be using the computer program “PageMaker” so any knowledge of that program will be helpful. Some students will keep records using the program “Excel.”

⁴ This course is not taught by BMS and does teach evolutionary concepts. Although this course is taken independently online, the high school science teacher will be available to answer any questions regarding the information contained in this course.

DRAM20 – Drama - 0.2 Credit

Drama class is a general look at the world of drama. Students will explore characterization, directing, blocking, improvisation and scene acting. Students will participate in a group scene competition at the end of the year.

FAMILY40 – Family and Marriage Relationships – 0.2 Credit

Students will be presented a Biblical view of family and marriage relationships, equipping them with life skills for developing Christ-like relationships, whether single or married. Topics may include principles for godly relationships, communication skills, parent responsibilities, home finances, female/male roles, and fulfilled singleness. Learning will happen through the use of videos, role-plays, guest speakers, small group projects, class discussions, and selected reading material.

Other course details:

Semester elective course for juniors and seniors offered fall and/or spring semesters. Meeting once or twice a week.

SAT30 – SAT PREP – 0.1 Credit (Fall Semester)

This course is designed to receive instruction in the following areas:

- Test format
- Test taking strategies
- Guidance on registering for the SAT and selecting a college
- Practice with real SAT questions and whole tests

EXPL34 – Worship Team – 0.2 Credits – Grades 9 and 10...11 and 12

The goal of the worship teams is fully student led worship. That is not, however, the starting point, and it is only realized in the 11th and 12th grade team, when they take the necessary steps to bring themselves to this point, be that in areas of musicianship and responsibility. Students who sign up for worship team will be asked to sign a statement of faith as a prerequisite for this course. Grading for this course is pass/fail.

We are creating a 0.4 credit option to this course for worship team leaders. This is for those who would like to take that added responsibility of selecting songs, learning to make sure songs are scriptural, tying packages together scripturally, musically, and with prayer.

EXPL38 - Pennsylvania Envirothon - 0.1 Credit – Grade 11 & 12

The PA Envirothon is offered second semester at BMS to upperclassmen. This activity is done in conjunction with the Ag Tech class offered by Penn State Cooperative Extension and includes support by a class advisor and a student team leader.

POLITICS AND LAW35 (HONORS) – 0.1 – Grades 11-12

This course explores the American political and legal systems. Topics of study and discussion will include political campaigns, politics in the legislative process, and politics and the Supreme Court. The objective of this course is to develop the student's knowledge and understanding of the subject as well as their analytical skills, skills of argumentation, including the use of deductive reasoning, and ability for verbal and written expression. This course will be weighted as an honor's level course and, therefore, will require work outside of class.

HISTORY37 (Honors) – 0.1 – Grades 11-12

This course explores topics of historical significance. Topics of study and discussion will include the wars, ideas, and people who changed the world. The objective of this course is to develop the student's knowledge and understanding of the subject matter as well as their analytical skills, skills of argumentation, including the use of deductive reasoning, and ability for verbal and written expression. This course will be weighted as an honor's level course and, therefore, will require work outside of class.

GLOBAL ISSUES36 – 0.1 - Grades 11-12

This is an independent study course that explores global issues of significance from a Christian perspective. Students will research an approved issue for a period of nine weeks using a combination of internet resources, books, films, and documentaries. Once a week, students will make a presentation of their findings in high school assembly. During the nine-week period, students will create their own 10 minute documentary also to be presented in assembly. The objective of this course is for the student to gain a knowledge and understanding of global issues and to develop the skills of research and documentation, issue analysis, collaboration, and verbal/visual presentation.

ADDITIONAL EXPLORATORY COURSES FOR 2009-10 INCLUDE:

EXPL30 - Agriculture Technology (Presented in conjunction with Penn State Cooperative Extension)

EXPL32 - Food Prep

FOUNDATION STUDIES

Purpose: Foundation Studies is a multi-disciplinary series of courses designed to provide all high school students at Belleville Mennonite School with an opportunity to encounter real life issues under the guidance of educated Christian faculty. Its purpose is to assist in aligning the academic curriculum with its mission of providing *“a comprehensive Pre-K through Grade 12 education in a Christ-centered environment, and prepares students to change the world through Christ-like service, peacemaking, and leadership.”*

Course Levels: The sequential nature of the course is such that each level builds on the previous one. A notebook containing all activities and journal entries will be maintained by each student throughout his/her high school experience. Journal entries will explore topics, reflect on experiences, and predict situations related to the course. The journals will be a vital tool in aiding the student each year in recording growth and reflection.

Course Descriptions: Through study, discussion, and personal experience, students gain insight into social issues and goal setting. More importantly, students are challenged to connect these issues to their own values, faith development and personal life goals.

Each course includes an opportunity for the student to experience growth through real life experience.

FS11 – Freshman Seminar = .2 Credit – Grade 9

Freshman seminar is an exploration of individual giftedness, personal identity, and divine purpose. In order to provide a complete profile of career potential, students will take the Differential Aptitude Tests and the Career Interest Inventory.

HEAL30 - Health – 0.2 Credit – Grade 10

Health class seeks to cover material that either is not covered in biology and other sciences, or to offer a different perspective on the subject. Health, A Wellness Approach is the text, but much of the curriculum comes from other sources. The second part of the course ties into the foundation studies course, dealing with healthy relationships from a Biblical perspective and dealing with the concept of “you in relation to others.”

FS30 - Social Issues: You and Society – .2 Credit – Grade 11:

This class is an exploration of modern society which includes discussions about poverty and wealth, abortion, addiction, sexuality, the environment, international politics, personal freedoms and rights, violence, and racism. The course will include a three day real world experience that will expose students to one or several of the above issues.

FS40 - Senior Seminar: You and Your Future in the Modern World – .2 Credit – Grade 12

In the first semester of this course, students explore the various belief systems existent in our world today while beginning to define their own world view. During the second semester, students will develop a coherent plan of action for impacting their world as men and women of God which will culminate in the development of a four part verbal/visual public presentation that defines their view of themselves, their relationships, their society, and their core beliefs and values.

GUIDANCE ASSISTANCE

All matters concerning course selection, electives, report card grades, scholastic progress, college guidance, and vocation guidance will be handled by the Guidance Counselor. Students and parents are encouraged to consult with them at any time.

Student Schedule Changes

Courses may be dropped without penalty during the first two weeks of that course. After that time, the withdrawal will be noted on both the report card and permanent record.

Courses may be added not later than the first week of the course. Adding or dropping any courses must be approved in advance by the administration.

Standardized Testing

- a. The PSAT/NMSQT is administered to interested students on the third Tuesday of October of each year.
- b. Achievements tests are given each spring.
- c. PSSA tests are given each year.
- d. Vocational testing is typically done in the ninth and eleventh grades. Ninth graders will take the Differential Aptitude Test while eleventh graders will take a vocational interest survey. The results of these tests help students understand their abilities and interests as related to various occupations.

College Representatives

Representatives of colleges visit Belleville Mennonite School each year. Interested juniors and seniors are excused from class to confer with them during the school day.

College Board Examinations

The SAT and ACT are administered at designated times at several locations in the general area. Information and assistance in registering for these tests may be obtained from the guidance office.

LEARNING SUPPORT

The High School Learning Support Program is offered on an individual or small group basis. The high school program emphasis is on independence in all areas of personal and academic performance. New concepts are reinforced and reviews for exams will be a part of the schedule. Some tests and semester exams are administered to these students in this small-group setting. A high school student's schedule will include a minimum of two periods per week.

MATHEMATICS

MATH10 – Pre-Algebra 1 Credit – Grades 9 & 10

This class lays a good foundation for Algebra I. The course teaches basic concepts of mathematics and introduces algebra concepts in a step-by-step approach. In essence, this class is a review on mathematical concepts taught in the middle school years.

MATH12 - Consumer Math – 1 Credit – Grades 9 & 10

Consumer Math is designed to equip students for math in the real world. Students who have a basic grasp of mathematical computation but require additional instruction for application to real life situations would benefit from this class. Instruction is provided using a variety of realistic, consumer-oriented applications.

MATH14 - Algebra I – 1 Credit – Grades 8, 9 & 10

This course explores the basic principles of algebra. Students will develop an understanding of various types of equations and their uses in the real world. Students will learn to solve, write and graph basic equations/inequalities, absolute value equations/inequalities, linear equations/inequalities, and systems of linear equations/inequalities. Students will learn to solve quadratic equations, rational equations, and radical equations. The objective of this course is to develop the student's understanding of equations and their uses with an emphasis on the development of real world problem solving skills.

MATH22 - Algebra 2 – 1 Credit – Grades 9, 10 & 11

Algebra is the study of mathematics of the physical world in mostly non-specific (general) applications. It provides mathematical models that can be used in everyday life although it also teaches reasoning skills and problem solving that can be applied in many ways that go beyond the mathematical realm. Algebra 2 is a more in-depth review of the concepts of Algebra 1 with some new ideas introduced. It is considered the second of the academic math courses here at BMS. Passing Algebra I is a pre-requisite for taking Algebra 2, although a 78% average is recommended.

MATH32 - Geometry – 1 Credit – Grades 10, 11 & 12

Geometry is the study of mathematics applied to the physical world dealing especially with the properties, measurement, and relationships of lines, angles, plane figures and solid figures. Although prior mathematics courses acquaint the student with critical thinking skills, geometry is the first mathematical course that introduces the student to analytical thinking, formal logic and proofs. It is considered the third of the academic math courses here at BMS.

MATH34 - Geometry Honors – 1 Credit – Grades 10, 11. & 12

MATH42 - Advanced Math (with Trigonometry) – 1 Credit – Grades 11 & 12

This course explores the world of mathematical functions, trigonometry, matrices, analytical geometry, and discrete mathematics and serves as a prerequisite to calculus. Students will learn to analyze and translate the graphs of the twelve basic functions and to use these functions to solve real world problems. Students will also learn to solve problems using matrices, trigonometry, analytical geometry, and discrete mathematics. Included in this course is a brief introduction to the fundamental principles of calculus. The objective of this course is to develop the student's understanding of advanced math concepts and their applications in real world problem solving.

MATH30 - Business Math – 1 Credit – Grades 11 & 12

Business Math is designed to allow the student to both gain and use the basic mathematical skills needed to survive in today's world. It teaches the math necessary for almost every phase of personal and business life. It moves from a review of basic math skills to personal business mathematics (i.e. income, checking, credit, housing, etc.) to basic business mathematics (i.e. production, purchasing, sales, marketing, etc.).

MATH40 - Accounting – 1 Credit – Grades 11 & 12

The accounting course at BMS introduces the student to real life accounting concepts and practices used by the business world today. It teaches the procedures and systems used to record transactions and prepare reports. It begins with the basic accounting cycle and focuses on accounting for single ownership and small businesses. It is alternated with Business Math the junior and senior years.

MATH46 - Calculus – 1 Credit – Grade 12

This course focuses on an introduction to two fundamental topics. 1) Differential calculus which is the study of instantaneous rate of change, or the slope of the tangent line. 2) Integral calculus which is based on the study of area and the antiderivative. Related topics and applications include studies in elementary functions, analytic geometry, limits, differential equations, maximum and minimum problems, volume, length of a curve, and work. Students taking this course may take the Advanced Placement Calculus AB exam. Use of a graphing calculator will be an integral part of this course, and each student must have one. Prerequisite: Advanced Math.

MATH45 - Statistics - 0.5 Credit – Grade 12

Statistics is offered as an online course through Advanced Academics. Registration is done through Administration and the High School Math Department.

MATH41 - Math For The World Of Work – 1 Credit – Grade 12

AGS Math For The World Of Work teaches students the math skills they need to enter the workforce. This math course at BMS is offered only through the high school Learning Support program and focuses on the skills students will need on the job: understanding wages and benefits, calculating interest, using credit cards, and balancing business costs and profits.

MUSIC

MUS10 – Ninth and 10th Grade Chorus – 0.4 Credit – Grades 9 and 10

This class is designed to take the skills developed in middle school music class and develop them further in the choral context. Depending on the number of students in the group, they either sing as an independent choir, or with the 11th and 12th grade choir. One of the main focuses of this choir will be a cappella/part singing through note reading. Grades are based upon the following categories, Lead/Follow (10 pts), Singing (10 pts), Energy (15 pts), and Technique (15 pts).

MUS30 - Senior High Choir – 0.6 Credit – Grades 10, 11 & 12

This class is designed to hone part singing skills. Ideally, notation fundamentals should be in place for this course, though this is not always the case. Both this choir and the 9th and 10th chorus travel for choir tour. When opportunity arises, this choir performs at community events. Grades are based upon the following categories, Lead/Follow (10 pts), Singing (10 pts), Energy (15 pts), and Technique (15 pts).

MUS32 - Vocal Ensemble – 0.4 Credit – Grades 10, 11 & 12

Students interested in performing more difficult music in a smaller group may audition to be a part of the vocal ensemble. Music performed by this group might be of Grade Level 4, sung a cappella, or in madrigal style. The music will be voiced at SAB, SSA, or SATB.

This ensemble will perform for the Christmas and Spring Concerts and sing for churches or organizations requesting vocal music performances.

Evaluation: will be based upon participation at rehearsals and attendance at performances.

Private Instrumental Lessons – All Grades

Students interested in learning to play an instrument in the String, Woodwind, Brass, Percussion, or Keyboard Families of instruments may study privately at the school. There is a set charge for lessons.

When a student has progressed in capability and knowledge of the instrument, the students will have the opportunity to perform with the school orchestra.

Materials: Essential Elements 2000 (for specified instrument)
Hal Leonard Publishing

MUS40 – Studio Recording and Contemporary Song Writing – 0.2 Credits – 9-12

This course deals with theory as it applies to contemporary composition. Students analyze songs, write songs, and learn to work with Audacity and pro Tools LE to record their work. Evaluation will be based on homework, compositions, and recording.

MUS40B – Rock Band – 0.2 Credits – 9-12

This course works with students on the music fundamentals of building a “rock” band sound (it is actually stylistically flexible to the students in the course). It works best if students have taken any of MUS40, MUS41, or MUS42. The ensemble plays for various school events, sometimes involved specifically in times of worship, and in particular, works toward staging a partial or full concert at the end of the year, advertising, producing, and performing. We will also record in this class as well.

MUS41 – Music Theory – 0.2 Credits – Grades 9-12

This course is intended to teach note reading skills at a more advanced level, or to help choir members review needed skills. If the class is more advanced, part writing and composition will be discussed. This course can flex from being a review (or even introduction) of fundamentals, to teaching song leading, conducting, and even preparing a student for college level music theory.

MUS42 – Music Theory as applied to Worship Leading – 0.2 Credits – Grades 9-12

This course is highly specific in relating music theory to its uses in leading worship, through improvisation as well as arranging. Students will learn voice leading skills, harmonizing skills, and various modulatory techniques.

PHYSICAL EDUCATION

PE10 - Physical Education 9 – 0.4 Credit – Grade 9

Ninth grade physical education focuses on introducing students to a variety of activities and developing their sports skills in order to encourage lifetime participation in physical activity. Some activities that may be covered throughout the year include basketball, floor hockey, volleyball, soccer, speedball, handball, football, Frisbee, cooperative games, and lifetime sports. The students will also participate in fitness testing three times per year in order to compare results and measure changes in their fitness level. Grading is on a four point scale and is based on dress, participation, attitude, and cooperation with classmates. Ninth grade physical education meets two periods per week.

PE20 - Physical Education 10 – 0.4 Credit – Grade 10

Tenth grade physical education also focuses on introducing students to a variety of activities and developing their sports skills in order to encourage lifetime participation in physical activity. They will also participate in activities such as basketball, floor hockey, volleyball, soccer, speedball, handball, football, Frisbee, cooperative games, and lifetime sports. The students will also participate in fitness testing three times per year in order to compare results and measure changes in their fitness level. Grading is on a four point scale and is based on dress, participation, attitude, and cooperation with classmates. Tenth grade physical education meets two periods per week.

PE30 - Physical Education 11 – 0.4 Credit – Grade 11

Eleventh grade physical education focuses on introducing students to a variety of activities and refining their sports skills in order to encourage lifetime participation in physical activity. They will also participate in activities such as basketball, floor hockey, volleyball, soccer, speedball, handball, football, Frisbee, cooperative games, and lifetime sports. Fitness tests will be administered three times per year in order to compare results and measure changes in their fitness level. Grading is on a four point scale and is based on dress, participation, attitude, and cooperation with classmates. Eleventh grade physical education meets two periods per week.

PE40 - Physical Education 12 – 0.4 Credit – Grade 12

Twelfth grade physical education focuses on introducing students to a variety of activities and refining their sports skills in order to encourage lifetime participation in physical activity. They will also participate in activities such as basketball, floor hockey, volleyball, soccer, speedball, handball, football, Frisbee, cooperative games, and lifetime sports. Fitness tests will be administered three times per year in order to compare results and measure changes in their fitness level. Grading is on a four point scale and is based on dress, participation, attitude, and cooperation with classmates. Twelfth grade physical education meets two periods per week.

SCIENCE

SCI10 - Earth Science – 1 Credit – Grades 9 & 10

Earth Science is offered to both freshman and sophomores in alternating years. This course explores Earth and its many features and processes. Topics for this course include properties of matter, rocks and minerals, energy resources, soils, weathering, erosion, plate tectonics, earthquakes, volcanoes, the atmosphere, weather and climate, oceanography, astronomy, as well as human impact on the Earth.

SCI20 - Biology – 1 Credit – Grades 9 & 10

Biology is offered to both freshman and sophomores in alternating years. Topics for this course include cell structure, cellular processes, genetics, creation and evolution, classification of organisms, ecology, and the structures and functions of different organisms.

SCI22 – Human Biology – 0.5 credit – Grades 11 & 12

Human Biology is offered to both juniors and seniors in alternating years along with Environmental Science as alternatives to Physics. Topics for this course include the structure and function of each of the major organ systems of the human body, basic first aid, simple diagnostic tests and common therapies associated with injuries or diseases of those organ systems.

SCI30 - Environmental Science – 0.5 Credit – Grades 11 & 12

Environmental Science is offered to all juniors and seniors in alternating years. Topics include sustainability, economics, politics and worldviews; risk, toxicology, and health; population dynamics, air, climate, water, solid and hazardous waste disposal; food, diversity and energy resources as a means of understanding our role as stewards.

SCI32 - Chemistry – 1 Credit – Grades 11 & 12

Chemistry is offered to juniors and seniors in alternating years. Topics include measuring and calculating with data, classifying matter, states of matter, mixtures and solutions, compounds, atomic models and structures, molecular structures, the periodic table, chemical formulas, chemical reactions, stoichiometry, solutions, acid-base reactions, and introductions to re-dox, electrochemistry, organic and nuclear chemistry.

SCI42 - Physics – 1 Credit – Grades 11 & 12

Physics is a math intensive course that will be offered to juniors and seniors on alternating years. These students must have successfully completed or taken concurrently Algebra II and Geometry. Topics for this course include motion, forces, work, energy, properties of matter, thermodynamics, waves, sound, light, electricity, magnetism, and atomic and nuclear physics.

SOCIAL STUDIES

SS10 - World History I – 1 Credit – Grades 9 & 10

This course covers the history of the world from the earliest civilizations to the age of exploration and expansion. The approximate time period encompasses 3000 BC – 1500 AD. In addition to both western and eastern civilizations, adequate attention will be given to hunter-gatherer societies within the given time frame. The main resource is the textbook, **World History: The Human Journey** (Holt, Rinehart, & Winston, 2003) Units 1-4. Additional resources include the Internet, videos, maps, and library materials. Students are responsible for weekly current events reports and a quarterly writing assignment. The countries, capitals, major rivers, and land forms of Africa are reviewed.

SS20 - World History II – 1 Credit – Grades 9 & 10

This course covers the history of the world from the Reformation to the present day, encompassing a time period of roughly 500 years. The major themes of this course include the development of the modern nation-state, the history of the church, the growth of science and industry, and the interactions of diverse peoples. The main resource is the textbook, **World History: The Human Journey** (Holt, Rinehart, & Winston, 2003) Units 5-8. Additional resources include the Internet, videos, maps, and library materials. Students are responsible for weekly current events reports and a quarterly writing assignment. The countries, capitals, major rivers, and land forms of Europe are reviewed.

SS30 - American History I – 1 Credit – Grades 11 & 12

This course traces the development of the United States from the Constitutional Conventions through World War I. The textbook, **The Americans** (McDougal-Littell, 2003), is the main resource. Additional resources include the Internet, videos, maps, and library resources. Appropriate attention will be given to the experiences of specific groups within American history, including but not limited to women, minorities, and Mennonites/Amish. Students are responsible for weekly current events reports and periodic writing assignments. The countries, capitals, and physical geography of Asia are reviewed.

SS40 - American History II – 0.5 Credit – Grades 11 & 12

This course traces the development of the United States from the end of World War I to the present time. The textbook, **The Americans** (McDougal-Littell, 2003), is the main resource. Additional resources include the Internet, videos, maps, and library resources. Appropriate attention will be given to the experiences of specific groups within American history, including but not limited to women, minorities, and Mennonites/Amish. Students are responsible for weekly current events reports and periodic writing assignments. The countries, capitals, and physical geography of Latin America are reviewed, along with the states, capitals, and physical geography of the United States.

SS41 – United States Government - 0.5 Credit – Grades 11 & 12

This one-semester course deals with the history and origins of republican government as it relates to the American experience. Particular emphasis is placed on the organization and responsibilities of the various branches of government and how American citizens are able to impact society through their political participation. The main resource is the textbook **(United States Government: Democracy in Action, Glencoe McGraw-Hill, 2002)**. Additional resources include the Internet, videos, library resources, newspapers, periodicals, guest speakers, and field trips. Students are responsible for weekly current events reports and periodic writing assignments.

SPANISH

SPAN10 - Spanish 1 – 1 Credit – Grade 9

- Communicate in language other than English.
 - a. Students will learn the grammatical basis of Spanish.
 - b. Students will learn sounds and pronunciation.
 - c. Students will understand and interpret written and spoken subjects.
 - d. Begin to create short paragraphs.
- Gain knowledge of understanding of other cultures (History, traditions, celebrations, etc.).

SPAN20 - Spanish 2 – 1 Credit – Grade 10

- Communicate in language other than English.
 - a. Students will begin to engage in conversations, provide and obtain information, express feelings and emotions, and exchange opinions.
 - b. Students will formulate stories about pets, family, or self.
 - c. Gain knowledge of understanding of other cultures (History, traditions, celebrations, etc.)
 - d. Use the language both within and beyond the school setting.

SPAN30 - Spanish 3 – 1 Credit – Grades 11 & 12

- Communicate in languages other than English.
 - a. Students engage in conversations, provide and obtain information, express feelings and emotions, and exchange opinions.
 - b. Students will be able to accomplish a task by following instructions in a language other than English.
 - c. Gain knowledge of understanding of other cultures (History, traditions, celebrations, etc.).
 - d. Use the language both within and beyond the school setting.

SPAN40 - Spanish 4 – 1 Credit – Grade 12

- Communicate in languages other than English.
 - a. Students will speak Spanish fluently; they will be able to engage in conversation.
 - b. Students will be able to read and write Spanish.
 - c. Gain knowledge of understanding of other cultures (History, traditions, celebrations, etc.).
 - d. Use the language both within and beyond the school setting.

TECHNOLOGY EDUCATION

Computer Application I – 9th Grade (Offered as a year long course) – Required of all 9th grade students - .4 credits

In the Fall semester, this course focuses on word processing skills of Word, the presentation skills of PowerPoint, understanding of the Internet, Internet searching skills and computer ethics. Students will receive advance training in Word and PowerPoint so that they will be able to effectively use these programs in all subject areas during their high school years. Students will also be given the opportunity to perfect their PowerPoint creation, design and delivery skills. Appropriate use of the Internet's resources will be explained along with proper Internet searching skills. Students will also be challenged to develop an understanding and practice of ethical computer usage. Further development of keyboarding skills will be included. During the Spring Semester, students will work through a series of computer technology modules focusing on computer animation, desktop publishing, computer programming, and web site design. These modules will be designed to give students an introduction to content included in semester electives which will go into greater depth.

Computer Application II – 10th Grade (Offered as a year long course) – Required of all 10th grade students - .4 credit

In the Fall semester, this course focuses on the spreadsheet skills of Excel, database skills of Access, refresher unit on Web based search engines, and appropriate computer ethics. Students will gain an understanding of how to effectively use spreadsheets including the use of formulas. Database skills include designing and creating databases, as well as accessing information in a database. Particular attention will be given to web based databases available through the Mifflin County Library web site. Students will discuss and formulate components of an ethical computer usage statement that will guide the way they use the computer and access the Internet. Further development of keyboarding skills will be included. During the Spring Semester, students will work through a series of computer technology modules focusing on computer animation, desktop publishing, keyboarding, computer programming, and web site design. These modules will be designed to give students an introduction to content included in semester electives which will go into greater depth.

Computer Programming I – Elective meeting two periods a week for the entire year - .4 credits

Students will develop the necessary skills to write programs in two languages. The first semester, students will work with programming language called Scratch. Building upon prior knowledge, they will be asked to go a step further in your program design. During second semester, students will work with the programming language Visual Basic. This is considered an introductory course that will be tailored for students with prior experience with both of these languages. Projects are designed to increase the confidence level in computer languages. Students will also be introduced to the language Python. Game design will be a component of each language taught.

Digital Video and Podcasting – Elective meeting two periods a week for the entire year - .4 credits

Students will be challenged to develop both their artistic and technology skills in this course. We will first of all start with the program Movie Maker and digital cameras and create "Legomation" videos - similar to claymation but only with Lego bricks and accessories instead. Building upon this, students will shoot video and develop movies using Movie Maker. Wrapping up the class, students will switch over to Adobe Premiere and create movies from both video clips as well as pictures. Students will be working as teams during parts of this course. Students will also be led through the steps of creating podcasts using the school's digital voice recorders. Podcasts will then be available online.

Computer Aided Design - *Elective* meeting two periods a week for the entire year .4 credits

Students will explore the exciting world of drawing on a computer. Using programs from the computer aided design software category, students will create a wide range of objects. Students will begin by perfecting their SketchUp skills by building a host of small objects as well as some more complex drawings such as a interior or exterior design of buildings. Building upon these skills, students will delve into the deeper world of computer aided design using another CAD program.

Technology Support - Elective meeting two periods a week for the entire year - .4 credits

This is an independent study based course which can have one of two focus points which is up to the student: 1) work through A+ certification training resources toward passing their A+ certification 2) helping elementary classes during their time in the elementary computer lab. Students need to be self motivated and self disciplined. Prior approval needs to be obtained prior to registering for this course.

Web Team - Elective meeting two periods a week for the entire year - .4 credits

Students will be working at maintaining the school's website. These students will need a very high degree of self governance as they will be expected to perform tasks with minimal supervision with a high degree of accuracy and professionalism. Orientation to the school's web site will be provided as necessary at the beginning of the year. Prior approval needs to be obtained prior to registering for this course.

Specifics for Computer Courses

- All courses meet two periods a week.
- The only courses students may take more than once are Web Site Design and Development and Technology Support.
- Ninth and tenth grade students may take the elective as space permits. Preference is given to eleventh and twelfth grade students.

Courses will be offered as follows with recommended class size due to software and hardware availability.

Fall Semester

Computer Application I – Grade 9

Computer Application II – Grade 10

Digital Video Editing – 6 students

Computer Animation – 15 students

*Technology Support – 4 students

*Web Site Design and Development – 4 students

Spring Semester

Computer Application I – Grade 9

Computer Application II – Grade 10

Visual Communications – 20 students

Computer Programming in C++ – 10 students

*Web Site Design and Development – 4 students

*Technology Support – 4 students

*These classes may meet during the same period that another computer class meets for either one or both class periods.