

**BHS New Course Proposals
2022-2023**

For Implementation in 2023-2024

Department	Course Title	Target Audience
Ag	Intro to Ag Business	11-12
Ag	Unified Agriculture	9-12
Business Ed	Sports & Entertainment Marketing	11-12
Math	Intro to Computer Programming	9-12
Music	CIS Music in World Cultures	11-12
Music	CIS Introduction to Music Theory and History	11-12
Music	Musical Theatre	9-12
Music	Music Production	9-12
Phy Ed	Net Games 1 & 2	9-12
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**Intro to Ag Business
BHS**

Teacher Contact	Jacob Wilts
Proposed Year of Implementation	2023-2024
Department/Site	Ag Ed
Credits	1/2 credit (1 trimester)
Grade Levels	11-12

Course Description: (what would be submitted in the BHS course registration guide)

This course will take a deeper look at agribusinesses rather than ag production methods. Basic economic principles will be evaluated through the lens of agricultural products. Students will examine agricultural commodities and how they are marketed. Basic farm financial management practices will be explored. The course will also cover how the US ag commodity trade fits into the global scheme, what a business structure and SWOT analysis looks like, and a deeper dive into some of Minnesota's largest global ag businesses.

Rationale for Proposal:

This course will be a horizontal expansion to our ag curriculum, whereas most of our current courses are vertical. Currently most of our courses relate to either landscape work or livestock production, so this will be a new area not directly related to production agriculture. This will also allow those students who have a strong interest in agriculture an opportunity for another class, while also branching out interest to those who are interested in business but may have not taken an ag course before- merging two potential areas of interest into one course. The course will cover a wide range of topics, including ag economics, ag financials, Minnesota ag businesses, and the US/global ag trade.

Prerequisites: Intro to ag; preferred - Intro to Business or Economics

Professional Development/Training (type & estimated cost)

none- I have ag business and ag marketing minors from college

Instructional Resources/Materials (type & estimated cost)

None

**Unified Agriculture
BHS**

Teacher Contact	Gary Wirkus and Jessa Rakotz
Proposed Year of Implementation	2023-2024
Department/Site	Ag Ed
Credits	1/2 credit (1 trimester)
Grade Levels	9-12

Course Description: This class allows all students (general education partners as well as students who require special education services) to interact in an environment focused on developing skills in agriculture. This opportunity fosters collaboration in planting seeds, soils, plant commodities, seed, plant and weed identification, transplanting, pruning, and two community outings. Students will participate in planning, cultivating, and caring for a plant from germination to transplanting to pruning. Students will be given opportunities to lead peer activities to gain valuable leadership experience.

Rationale for Proposal:

The course is needed to provide unified opportunities for students with significant disabilities and students without disabilities to partner in learning about agriculture. The evidence that supports the initiation of this new course lies in the experiences derived from the students who have previously participated in a unified music, phy ed or a home living course at BHS. Many of these students have built lifelong friendships or entered into the field of special education upon completion of a unified course. Students will build leadership skills, collaboration skills and communication skills as a result of taking this course. Additionally, students who require a specially designed classroom (as driven by their IEP) will be able to learn about agriculture (a lifelong job/recreation and leisure skill) with their neurotypical peers in a general education environment while receiving the proper level of support from their special education teacher.

Prerequisites: Mentors need to have at least one of the following classes: Intro to Agriculture or Landscaping

Professional Development/Training (type & estimated cost)
20 hours of curriculum development time for two teachers

Instructional Resources/Materials (type & estimated cost)
\$1000 for seeds, soil, pots and plants

**Sports & Entertainment Marketing
BHS**

Teacher Contact	Mark Tuchscherer
Proposed Year of Implementation	2023-2024
Department/Site	Business Education
Credits	½ credit (1 trimester)
Grade Levels	11-12

Course Description: (what would be submitted in the BHS course registration guide)

Sports and Entertainment Marketing is designed to build upon students' prior knowledge of Marketing. Students will develop a thorough understanding of advanced marketing concepts and theories as they relate to the sports and entertainment industries. Students will investigate the business side of marketing as well as look deeper into the Marketing Mix as it pertains to the sports and entertainment industries. The course will also address career development skills and explore career options. In addition to traditional delivery instruction, this course will involve hands-on projects and real-world connections made through the use of guest speakers and field trips.

Rationale for Proposal:

This will be an upper level course for those students who have taken Marketing and are interested in an advanced course that will likely involve more real-world application and involvement (i.e. guest speakers from the industry, site visits, etc.). There are many students that take our introductory courses in the Business department (i.e. Marketing, Intro to Business, etc.) and would like something more advanced to take it to the next level.

Prerequisites: Marketing

Professional Development/Training (type & estimated cost)

I don't believe there will be any additional training needed.

Instructional Resources/Materials (type & estimated cost)

Possibly a textbook (approx. \$75 per)

Field Trips

**Intro to Computer Programming
BHS**

Teacher Contact	David Kilgore
Proposed Year of Implementation	2023-2024
Department/Site	Math
Credits	½ credit (1 trimester)
Grade Levels	9-12

Course Description: (what would be submitted in the BHS course registration guide)

In this class, students will learn the basics of computer programming with the Java programming language. Students do not need to have any prior programming experience for this class. Students will be introduced to topics such as problem-solving, algorithms, object-oriented design, primitive data and objects, arrays, designing classes and methods, and graphics.

Rationale for Proposal:

Computer Science is one of the fastest growing fields in our world today. We need to offer an introductory course for students to learn these new skills, and to prepare for AP Computer Science A.

Prerequisites: None

Professional Development/Training (type & estimated cost)
Curriculum Writing Hours, perhaps 20 hours.

Instructional Resources/Materials (type & estimated cost)

At the moment, no additional resources are required. However, class size may be limited by the 25 laptops we have available (Chromebooks are not adequate).

**Music Production
BHS**

Teacher Contact	Mike Knutson
Proposed Year of Implementation	2023-2024
Department/Site	Music
Credits	½ credit (1 trimester)
Grade Levels	9-12

Course Description: (what would be submitted in the BHS course registration guide)

This class is an introduction to the many processes that go on behind the scenes when producing music. In this hands-on, project based class, students will learn how to use a digital audio workstation (DAW) to mix, quantize, equalize, pan, compress, and tune various music and sounds as well as some microphone and recording basics.

Grades: 9-12 Terms: 1

Rationale for Proposal:

This non-performance class would be available to any BHS student; not just those who have been making music at BCMS like most of our current offerings. We have some anecdotal evidence that students would be interested in this class.

Prerequisites: None

Professional Development/Training (type & estimated cost)

I (Mike Knutson) am currently enrolled in a Music Production graduate class. This is likely all the training that will be needed.

Instructional Resources/Materials (type & estimated cost)

Students would each need to have access to some DAW software. There are various free versions that aren't as robust as the paid versions. It might be possible to teach this class with students using the free versions. Also, some DAWs are subscription based and some are a one-time purchase. The cost of the software would need to be explored.

There would also be some hardware requirements for the class: microphones, audio interfaces, and studio monitors. For the purposes of the class, a few classroom sets could be shared. While this would hopefully be built up to a robust studio over time, a starting cost estimate is \$2000. Each student would need to have a good set of over the ear headphones. The recommended sets are \$55.

**Musical Theatre
BHS**

Teacher Contact	Zack Carlson
Proposed Year of Implementation	2023-2024
Department/Site	Music
Credits	½ credit (1 trimester)
Grade Levels	9-12

Course Description: (what would be submitted in the BHS course registration guide)

Broadway: Onstage & Behind the Scenes

What makes a live performance stand out? What place does technology and design have in successful Broadway Shows? Together, will explore elements ranging from technical aspects of theater, script writing, set and lighting design to acting, singing, and dancing. Students get to choose their own path in this project-based and hands-on class with student interest at the center. Whether you have done ten shows or have never set foot in the Performing Arts Center, there is a place for you in this class.

Grades: 9-12 Terms: 1

Rationale for Proposal:

A Musical Theatre Course would reach a multitude of students not in our traditional ensembles. Students interested in technology, set design, sound design, light design, direction, as well as being a pit musician and stage-singer will have a home in this course. A Musical Theatre Course will also hold multiple content area standards providing a unique opportunity for students that would traditionally not be enrolled in music. While our content will highlight elements and standards within Theatre, Music, Technology, and Design, the project-based nature of the class will give students real-life experience in an industry that is growing by the year. Buffalo High School has enjoyed a long history of a strong Musical Theatre Program with interest at each level. This course would empower students to experience a non-ensemble music course as well as grow skills in each domain of Musical Theatre.

Prerequisites: None

Professional Development/Training (type & estimated cost)
None other than curriculum writing time.

Instructional Resources/Materials (type & estimated cost)
Supplemental Text may be needed

**CIS Intro to Music Theory & History
BHS**

Teacher Contact	Scott Rabehl
Proposed Year of Implementation	2023-2024
Department/Site	Music
Credits	½ credit (1 trimester)
Grade Levels	11-12

Course Description: (what would be submitted in the BHS course registration guide)

This course covers the basics of music theory, aural perceptions, and sight singing all in the context of primarily western music history. Emphasis is placed on rhythmic exercises, notation, tonality, phrase structure, simple form, fundamental harmony, and basic keyboard facility.

Rationale for Proposal:

During the district's Continuous Improvement Process Reflect Phase, a Parent Survey was given to gain stakeholder feedback. It was determined that BHS was lacking in music education opportunities outside of our performing ensembles. This course meets that need and meets MN Transfer Curriculum Requirements in Area 6. This course will replace AP Music Theory and The History of Classical Music in our course catalog.

Prerequisites: Strong interest in the serious study of music. Is there a GPA requirement for CIS courses?

Professional Development/Training (type & estimated cost)

Non anticipated

Instructional Resources/Materials (type & estimated cost)

Perhaps supplemental texts. Central Lakes College will be providing all online resources.

**CIS Music In World Cultures
BHS**

Teacher Contact	Scott Rabehl
Proposed Year of Implementation	2023-2024
Department/Site	Music
Credits	½ credit (1 trimester)
Grade Levels	11-12

Course Description: (what would be submitted in the BHS course registration guide)

This class is the study of music of different cultures in the context of human life. Students will be introduced to the music of such cultures as: Africa/Ewe, India/South India, Ireland, Scotland, North America/Native America, Latin America/Ecuador and many others. Class activities will include music listening, making and playing of multicultural music instruments, guest speakers and performers (virtual and/or live), possible field trips and other projects that enhance ethnomusicological awareness of the many differences as well as similarities of non-Western and Western hemisphere indigenous cultures.

Rationale for Proposal:

During the district's Continuous Improvement Process Reflect Phase, a Parent Survey was given to gain stakeholder feedback. It was determined that BHS was lacking in music education opportunities outside of our performing ensembles. This course meets that need, as well as meeting MN Transfer Requirements in Areas 6 & 8.

Prerequisites: None. Does Central Lakes College have a minimum GPA Requirement?

Professional Development/Training (type & estimated cost)

Non anticipated

Instructional Resources/Materials (type & estimated cost)

None anticipated. Perhaps some supplemental materials. Central Lakes College will be providing the students with online resources.

**Net Games 1 & 2
BHS**

Teacher Contact	Kelsey Ortmann
Proposed Year of Implementation	2023-2024
Department/Site	Phy Ed
Credits	½ credit (1 trimester)
Grade Levels	9-12

Course Description: (what would be submitted in the BHS course registration guide)

Net Games 1 and 2 will give students the opportunity to work individually and as part of a team during physical education class. These two courses will also allow students to learn the basics and expand their knowledge on lifelong recreational activities (NASPE Standards 1,2,3,5). Net Games 1 will focus on developing skills and game play for 9th and 10th grade students only. Net Games 2 is for 11th and 12th grade students only and will focus on refining skills developed in Net Games 1, tournament and competitive play. Net Games 1 is a prerequisite for Net Games 2.

Rationale for Proposal:

Net Games 1 and 2 will give students the opportunity to work individually and as part of a team during physical education class. These two courses will also allow students to learn the basics and expand their knowledge on lifelong recreational activities (NASPE Standards 1,2,3,5). These courses will give students more choice for courses to take in the Physical Education Department.

Prerequisites: Net Games 1-no prerequisites Net Games 2-Must take Net Games 1 prior to taking 2. Net Games 1 available for 9th and 10th graders and Net Games 2 available for 11th and 12th graders. Net Games 2 students must have passed 9th and 10th grade PE.

Professional Development/Training (type & estimated cost)

Curriculum writing time-no more than the number typically approved.

Instructional Resources/Materials (type & estimated cost)

Would need to update PE materials such as new badminton nets and racquets.

**Officiating and Coaching Philosophies
BHS**

Teacher Contact	Josh Ortmann
Proposed Year of Implementation	2023-2024
Department/Site	Phy Ed
Credits	½ credit (1 trimester)
Grade Levels	10-12

Course Description: (what would be submitted in the BHS course registration guide)

This course will expose students at a young age to the coaching and officiating professions. It will give students opportunities to partner up with BCMS activities and youth organizations, and create a culture where both professions can be valued and respected by all.

This course will focus on what it means to be a transformational coach vs transactional coach and will give students the opportunity to learn the fundamentals of officiating and coaching.

Rationale for Proposal:

This would be brand new to the BHM School district. We currently live in a world where there is a lack of youth/high school coaches and officials. The goal behind this course would be to expose students at a young age to these professions, give them opportunity to partner up with BCMS activities and create a culture where both professions can be valued and respected by all.

This course will focus on what it means to be a transformational coach vs transactional coach and will give students the opportunity to learn the fundamentals of officiating Volleyball, Football, Basketball, Baseball and Softball.

Prerequisites: None

Professional Development/Training (type & estimated cost)

Curriculum writing time would be needed to create a 12-13 week course and possible cost for one teacher to trained in these areas as needed

Instructional Resources/Materials (type & estimated cost)

None

**Mind & Body Connection
BHS**

Teacher Contact	Kelsey Ortmann
Proposed Year of Implementation	2023-2024
Department/Site	Phy Ed
Credits	½ credit (1 trimester)
Grade Levels	11-12

Course Description: (what would be submitted in the BHS course registration guide)

This class is designed for students who want to increase their overall connection to their mind and body. Students will work on developing the skills necessary for guided breathing, meditation, stretching and mindfulness activities. This class is designed for a mixture of both health and physical education elements. Students who sign up for this course will improve their coping skills, self esteem and overall mental health.

Rationale for Proposal:

This course will give students a chance to understand and think deeper about the connection between their mind and body. We would work on deep breathing, meditation, stretching and mindfulness activities. We will work on developing coping skills to improve self esteem and overall mental health.

Prerequisites: Must have taken and passed 9th and 10th grade PE and Health.

Professional Development/Training (type & estimated cost)
Curriculum writing time

Instructional Resources/Materials (type & estimated cost)
Online membership towards mindfulness strategies.

**9/10 Competitive Team Sports
BHS**

Teacher Contact	Kelsey Ortmann
Proposed Year of Implementation	2023-2024
Department/Site	Phy Ed
Credits	½ credit (1 trimester)
Grade Levels	9-10

Course Description: (what would be submitted in the BHS course registration guide)

This course is an elective course for 9th and 10th grade students and will not replace the 9th and/or 10th grade Physical Education requirement. This class will allow students to learn how to work together as a team, learn rules and etiquette of team and individual activities as well as good sportsmanship. Competitive play/participation as well as heart rate monitors will be the basis of assessment for this course.

Rationale for Proposal:

This course will give 9th and 10th grade students more PE choices for course registration. It will allow these students to learn how to work together as a team, learn rules and etiquette of team activities as well as good sportsmanship. This course will build on the foundational pieces of our upper level physical education courses.

Prerequisites: None

Professional Development/Training (type & estimated cost)

None

Instructional Resources/Materials (type & estimated cost)

Will need to update and purchase new PE equipment like footballs, hockey sticks and balls, paddles and racquets, etc.

**Chem X
BHS**

Teacher Contact	Nick Ward
Proposed Year of Implementation	2023-2024
Department/Site	Science
Credits	½ credit (1 trimester)
Grade Levels	9-11

Course Description: (what would be submitted in the BHS course registration guide)

This course is a ½ credit higher paced introductory Chemistry course for students who plan to take CIS Chemistry and/or AP Biology. Topics studied will be atomic and molecular structure, bonding, writing and balancing chemical reactions, stoichiometry, and acid/base reactions. Much of the course will be based on lab investigations. This course meets **half** of the MN state graduation requirements for 1 credit in chemistry or physics.

Prerequisite: Successful completion of, or concurrent enrollment in Geometry B.

Rationale for Proposal:

Chem X will be a half credit course that will meet some Minnesota State Science Standards for Chemistry. This course will serve as a prerequisite for CIS Chem A/B/C and be strongly encouraged for Advanced Bio.

Currently, students must take Chemistry A/B, 1.0 credit, as a prerequisite for CIS Chem I/II. Chem X will build the foundational understanding for students so they can go directly into CIS Chem. Students would be able to take the entire CIS Chemistry sequence with 2.0 credits, while currently this requires 3.0 credits on the block.

Chem X will be strongly encouraged for students wanting to take Advanced Biology. Having a fundamental understanding of bonding and molecular structure will allow students to move directly into Advanced Bio instead of taking Biology A/B first. Again, this will free up an additional 1.0 credit for students.

Professional Development/Training (type & estimated cost)

N/A

Instructional Resources/Materials (type & estimated cost)

Textbooks