

Byng High School Course Catalog

2025-2026

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English Language Arts (4)

English II - World Literature (4048)

English II World Literature focuses on advancing aspects of Standard Edited American English and literary elements through the lenses of historical, cultural, and global perspectives. Students will be able to comprehend and analyze complex texts, participate in research and citation development, and create various essays.

Prerequisites: English I

Grade level: 10

Pre-AP English II (4048)

Pre-AP English II focuses on preparing students for collegiate level reading, writing, and discussion by practicing close observation and analysis, evidence based writing, higher order questioning, and academic conversation. Through the lenses of historical, cultural, and global perspectives, students will work closely with non-fiction and literary texts to strengthen reading, writing, and speaking skills to promote critical thinking and career readiness.

Prerequisites: English I

Grade level: 10

English III - American Literature (4051)

This course is a year-long course which builds upon the language arts skills emphasized in English I and II. Students will evaluate, interpret, and respond to a variety of texts in American literature, including fiction, non-fiction, poetry, drama, and media. Students will write for a variety of purposes and audiences, using the writing process to develop effective, coherent work (including multi-paragraph and documented essays, one of which must be a research essay) wherein the student demonstrates command of the conventions of Standard English. In order to succeed with the ACT examination, students will learn and practice test taking strategies pertaining to reading comprehension and Standard English usage. Finally, students will continue developing their skills in speaking, listening, and visual literacy

Prerequisites: English II

Grade level: 11

AP English Literature and Composition (4010)

This course is a year-long course, for which students will receive honors credit, closely follows the curriculum of freshman college English with emphasis on writing in a variety of modes (rhetoric) and language use (rhetorical devices) based on the careful reading of a variety of literary selections.

Prerequisites: English II

Grade level: 11

English IV - English Literature (4054)

This course is a year-long course which builds upon the language arts skills emphasized in English I, II, and III. Students will evaluate, interpret, and respond to a variety of British and world literature, including fiction, non-fiction, poetry, drama, and media. Students will write for a variety of purposes and audiences, using the writing process to develop effective, coherent work (including multi-paragraph and documented essays, one of which must be a research essay) wherein the student demonstrates command of the

conventions of Standard English. Students will also write reflective essays suitable for college admissions

or occupations of interest Prerequisites: English III

Grade level: 12

History and Civics (3)

World Cultures and History (5787)

World History examines human development from the dawn of civilization to the present day

Prerequisites: Oklahoma History and US Government

Grade level: 10

Honors World Cultures and History (5787)

Honors Students are introduced to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they now live.

Prerequisites: Oklahoma History and US Government

Grade level: 10

US History (5410)

This course is a course in which students study the Reconstruction Era amendments to the United States Constitution, Immigration and the settlement of the American West on American society, Industrialization and the changing role of the United States in world affairs at the turn of the twentieth century. Students will also cover the events between the World Wars, Great Depression, and assess the foreign and domestic policies of the United States since World War II. They will also examine the 1995 attack on Oklahoma City and the 9/11 attack on New York City and Washington, DC. Importance will be placed upon the need for accurate geographic knowledge and an emphasis on the role of geography in shaping historical events. This course will also prepare students for Oklahoma's required state-wide end of course assessment for U.S. History & Civics.

Prerequisites: World History and Cultures

Grade level: 11

Honors US History (5410)

This two-semester course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. This course places special emphasis on the great public issues that have dominated American history beginning with the clash of cultures that shaped colonial settlement and continuing chronologically through the Revolution and the making of the Constitution to the present. They will analyze historical evidence and develop the ability to express that understanding and analysis in writing. This course will also prepare students for Oklahoma's required state-wide end of course assessment for U.S. History & Civics

Prerequisites: World History and Cultures

Grade level: 11

Math (3 IN grades 9-12)

Geometry (4520)

The Geometry course is a comprehensive look at the study of geometric concepts including the basic elements of geometry, proofs, parallel and perpendicular lines, the coordinate plane, triangles, quadrilaterals, polygons, circles, trigonometry, congruence and similarity, surface area, volume and transformations.

Prerequisites: Algebra I Grade level: 9-10

Pre-AP Geometry (4520)

Pre-AP Geometry focuses on preparing students for collegiate level math courses while studying geometric concepts including the basic elements of geometry, proofs, parallel and perpendicular lines, the coordinate plane, triangles, quadrilaterals, polygons, circles, trigonometry, congruence and similarity, surface area, volume and transformations.

Prerequisites: Algebra I Grade level: 9-10

Algebra II (4412)

Algebra II emphasizes linear and quadratic expressions, equations, and functions. This course also introduces students to polynomial, rational and exponential functions. Students explore the structures of and interpret functions and other mathematical models.

Prerequisites: Geometry Grade level: 10-11

Pre-AP Algebra II (4412)

In Pre-AP Algebra 2, students solidify and extend the understanding of functions and data analysis developed in prior courses. Students build upon linear, quadratic, and exponential functions as they work to define logarithmic, polynomial, rational, square root, cube root, and trigonometric functions. Quantitative literacy is developed by weaving data sets, contextual scenarios, and mathematical modeling throughout the course.

Prerequisites: Geometry Grade level: 10-11

Pre-calculus (4611)

This course extends and integrates concepts from algebra and geometry. It includes a study of polynomial, rational, exponential, logarithmic and trigonometric functions and their graphs. Other topics include complex numbers, polar coordinates, sequences and series.

Prerequisites: Algebra II Grade level: 11-12

AP Calculus (4615)

APCalculus AB is equivalent to a first-semester college calculus course. Topics include functions, limits and continuity, derivatives, and integrals. The course will focus on applying the skills and concepts of calculus to modeling and solving problems across multiple representations.

Prerequisites: Pre-calculus

Grade level: 12

Consumer Math (4620)

In Consumer Math, students study skills they can apply in their personal lives and in their future careers. The course topics include details on jobs, wages, deductions, taxes, insurance, recreation and spending, budgeting, investing, checking and savings accounts, loans and buying on credit, automobile expenses, housing expenses, college expenses and mental health. Life skills such as laundry, cooking, changing a tire and more will also be covered. Guest speakers will also be an integral part of this course.

Prerequisites: Algebra II

Grade level: 12

Sciences (3)

Biology (5031)

Students learn about the structures and interactions of living organisms, from cells to ecosystems.

Prerequisites: Physical Science

Grade level: 10

Honors Biology (5031)

Students learn about the structures and interactions of living organisms, from cells to ecosystems.

Prerequisites: Physical Science

Grade level: 10

Chemistry (5051)

Students learn about the properties of matter and chemical reactions.

Prerequisites: Biology Grade level: 11-12

Earth Science (5061)

Students learn about Earth's geology, water, atmosphere, weather and climates, and the astronomical processes that influence Earth as a planet.

Prerequisites: Biology Grade level: 11-12

Physiology/Anatomy (5220)

Students learn the structures and functions of body systems.

Prerequisites: Biology Grade level: 11-12

Honors Physics (5211)

Students learn about the laws and properties of matter and the forces which act upon them.

Prerequisites: Chemistry

Grade level: 12

Aviation

Aviation I (8874)

Students will learn about engineering practices, problem-solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. Students will also learn about the wide variety of exciting and rewarding careers available to them. Aviation I is not a technology credit. However, it is the prerequisite for upper level Aviation classes as Technology Credits.

Prerequisites: None Grade level: 9-12

Aviation II (8875) (Serves as Technology Credit)

This course will introduce students to basic aircraft and UAS structures and their major components, principles of flight, and the fundamental physical laws affecting flight. Students will learn about basic aerodynamics and the forces that act on aircraft in flight.

Prerequisites: Aviation I Grade level: 10-12

Aviation III (8876) (Serves as Technology Credit)

This course includes topics such as pilot and aircraft qualifications, flight maneuvers, pre- and post-flight procedures, airport operations, regulations, safety, weather, cockpit management, emergency procedures, aeronautical decision-making, flight planning, airspace, and other topics that help prepare for the FAA Private Pilot written exam and Part 107 sUAS Certificate.

Prerequisites: Aviation II Grade level: 11-12

Aviation IV (8877)

After having prepared for the Private Pilot Knowledge Test and Part 107 sUAS Certificate in the previous year, students will examine advanced aviation topics and aviation career options. Instrument flight, commercial aviation, and advanced aircraft systems begin the semester. Looking into the future, students then explore new horizons in the aerospace industry. What might aviation look like five, ten, or twenty years into the future? The focus then turns to business development opportunities in aviation. Finally, students learn about and conduct different types of research in preparation for their capstone project in the second semester.

Prerequisites: Aviation III

Grade level: 12

Computer Technology (2)

*Students may choose 2 Foreign Language Credits instead of Computer Technology)

Fundamentals of Technology (8401)

This course provides students with fundamental computer skills, an introduction to computer businesses applications, and knowledge of business basics.

Note: This course is the foundation for general technology courses.

Prerequisites: none Grade level: 9-10

Computer Science Essentials (8852)

Students will explore a variety of computer science concepts to develop computational thinking skills, including app design, robotics, block coding, and an introduction to text-based programming.

Note: This course is the foundation for programming-related courses.

Prerequisites: none Grade level: 9-12

Computer Science Principles (8851)

This course builds upon Computer Science Essentials and focuses on coding with the Python programming language. Students will explore how computing and technology impact our world.

Prerequisites: Computer Science Essentials

Grade level: 10-12

Desktop Publishing and Graphic Design I (8149)

Students use Adobe software to create digital graphics and publications. Students are encouraged to pursue available certifications.

Prerequisites: Fundamentals of Technology

Grade level: 10-12

Desktop Publishing and Graphic Design II (8150)

Students use Adobe software to create digital graphics and publications. Students are encouraged to pursue available certifications.

Prerequisites: Desktop Publishing and Graphic Design I

Grade level: 11-12

Desktop Publishing and Graphic Design III (Capstone) (8155)

Students use Adobe software to create digital graphics and publications. Students are required to continue with ongoing training and available certifications.

Prerequisites: Desktop Publishing and Graphic Design II

Grade level: 12

Esports: Overwatch

This course is for approved Overwatch Esports players only. Students compete in Overwatch (on PC only) against other high schools. Players must be able to compete after school in the spring semester.

Note: <u>This course is a general elective</u> and does NOT count towards the required 2 computer or foreign language graduation credits.

Prerequisites: make tryouts

Grade level: 9-12

Fundamentals of Video Game Design (8228)

Students will learn about video game design and will use a game development engine to create games for computer, console, and/or mobile. This course heavily relies on programming, so a computer science background is required.

Prerequisites: Computer Science Essentials required; Computer Science Principles preferred

Grade level: 10-12

Office Administration and Management (8105)

Students will develop and expand their abilities to write, read, edit, speak and listen with interactive real-world projects and activities. This course blends written, oral and graphic communication in a career-based environment. Students are encouraged to pursue available certifications

Prerequisites: Fundamentals of Technology

Grade level: 10-12

Video Production I (8150)

Students will prepare for careers in digital communication as they learn to develop personal and professional videos applying appropriate certification and copyright standards. This is a hands-on class using camera equipment and computers. Students are encouraged to pursue available certifications.

Prerequisites: Fundamentals of Technology

Grade level: 10-12

Byng TV (Video Production II and III) (8191, 8106)

Byng TV is a combination of Video Production II and Video Production III students. Using digital photography and video, students communicate about school and community events through a variety of presentation methods including the bi-weekly broadcast news program. The Byng TV staff is required to be professional and responsible in working together as a team, using equipment and meeting deadlines. Students are required to continue with ongoing training and pursuit of available certifications.

Video Production II

Prerequisites: Video Production I

Grade level: 11-12

<u>Video Production III</u> (Capstone) <u>Prerequisites: Video Production II</u>

Grade level: 12

Byng TV Notes: Pre-enroll in Video Production II or III

Prerequisites: Video Production I; acceptance into Byng TV only through application and interview.

Grade level: 11-12

Multimedia & Image Management Techniques (8150) Yearbook Staff

Students design the school yearbook, cover to cover, using image management and desktop publishing software. This course requires work outside of school hours for selling ads and yearbooks, taking pictures of school events, and finishing assignments for publisher deadlines.

Note: 2nd period only; this course replaces Fundamentals of Technology for 9th graders.

Prerequisites: acceptance into Yearbook Staff through application and interview

Grade level: 9-12

Fine Arts (1)

Art (Art 1 2808, Art 2 2809, Art 3 2810, Art 4 2811)

Fine Art History, Theory, Techniques

Prerequisites: none Grade level: 9-12

Competitive Speech (4221)

Speech/Debate competition team.

Prerequisites: audition only

Grade level: 9-12

Drama (Drama 1- 4019, Drama 2 - 4020, Drama 3 - 4021)

Basics of stage performance and theater.

Prerequisites: none Grade level: 9-12

Humanities (2954)

Students explore human culture and the arts.

Prerequisites: none Grade level: 10-12

Instrumental Band (Instrum 1 - 3001, Instrum 2 - 3002, Instrum 3 - 3003, Instrum 4 - 3004)

Instruction on woodwind, brass, and percussion instruments with a focus on performance.

Prerequisites: 6th-8th Band

Grade level: 9-12

Stagecraft (Stagecraft 1 - 2856, Stagecraft 2 - 2857)

Technical theatre, which includes set design, lighting, sound, costume design, stage makeup, etc.

Prerequisites: none Grade level: 9-12

Vocal Music (Vocal 1 - 3071, Vocal 2 - 3072, Vocal 3 - 3073, Vocal 4 - 3074)

Choral singing in multiple arrangements (Mixed, Men, Women), music reading, and solo opportunities.

Prerequisites: none Grade level: 9-12

Foreign Language (2)

*Students may choose 2 Computer Technology instead of Foreign Language Credits)

Chickasaw I (3141)

Chickasaw is an introduction to Chickasaw language and culture. Chickasaw is an endangered Indigenous language with less than 50 living fluent speakers. This class focuses on Chickasaw speaking, listening, reading, writing, and understanding. The material covered in this class is a base for any further study of Chickasaw. Students of any cultural background are welcomed. This is an online curriculum provided through Rosetta Stone with a Byng employee proctoring the class.

Prerequisites: none Grade level: 9-12

Chickasaw II (3142)

Chickasaw is an introduction to Chickasaw language and culture. Chickasaw is an endangered Indigenous language with less than 50 living fluent speakers. This class focuses on Chickasaw speaking, listening, reading, writing, and understanding. The material covered in this class is a base for any further study of Chickasaw. Students of any cultural background are welcomed. This is an online curriculum provided through Rosetta Stone with a Byng employee proctoring the class.

Prerequisites: Chickasaw 1

Grade level: 10-12

Spanish I (3161)

Introductory Spanish course that involves listening, speaking, reading, and writing skills as well as cultural awareness.

Prerequisites: none Grade level: 9-12

Spanish II (3162)

Builds upon the knowledge learned in Spanish I and reinforces listening, speaking, reading, and writing skills as well as cultural awareness.

Prerequisites: Spanish I Grade level: 10-12

GENERAL ELECTIVES

Agriculture

Introduction to Agriscience (8004)

This course is a ninth-grade course that lays the foundation for introduction into one of the seven career pathways. Content includes animal science, plant and soil science, agribusiness and economic principles, and agricultural mechanics. This course is a prerequisite to all upper-level agricultural education courses. All students enrolled in agricultural education courses also become official members of the National FFA Organization. Involvement in FFA may include optional competitions, community service activities, leadership experiences, and camps/conferences. All students are expected to participate in fundraising efforts.

Prerequisites: None Grade level: 9-12

Introduction to Agricultural Communications (8022)

This course introduces students to the broad field of ag communications. Content includes the role and history of electronic media, legal aspects of communication, news and feature writing in agriculture, news

photography, ethics, and Web layout and design. All students enrolled in agricultural education courses also become official members of the National FFA Organization. Involvement in FFA may include optional competitions, community service activities, leadership experiences, and camps/conferences. All students are expected to participate in fundraising efforts.

Prerequisites: Agriscience 1

Grade level: 10-12

Introduction to Agricultural Power and Technology (8009)

This is an introductory course for students with an interest in agricultural mechanics and power equipment. Content includes importance of agricultural mechanics; personal and employability safety; identifying, using, and maintaining common hand tools; metal fabrication; and preparing and using simple project plans. All students enrolled in agricultural education courses also become official members of the National FFA Organization. Involvement in FFA may include optional competitions, community service activities, leadership experiences, and camps/conferences. All students are expected to participate in fundraising efforts.

Prerequisites: Agriscience 1

Grade level: 10-12

Introduction to Horticulture (8029)

This introductory course has a horticultural emphasis. Content includes species and importance of horticultural plants, ornamental horticulture (including floristry, landscaping, turf, and greenhouse production), disease and pest management, plant nutrition, and growth regulation. All students enrolled in agricultural education courses also become official members of the National FFA Organization. Involvement in FFA may include optional competitions, community service activities, leadership experiences, and camps/conferences. All students are expected to participate in fundraising efforts.

Prerequisites: Agriscience 1

Grade level: 10-12

Greenhouse Production and Floral Design (8030)

Content includes greenhouse production, plant anatomy, plant propagation, climate control, media and plant nutrition, disease and pest management, and cultural practices with bedding plants. Content also includes care and handling of fresh flowers, floral tools and supplies, containers, corsages, boutonnieres, centerpieces, and holiday arrangements. All students enrolled in agricultural education courses also become official members of the National FFA Organization. Involvement in FFA may include optional competitions, community service activities, leadership experiences, and camps/conferences. All students are expected to participate in fundraising efforts.

Prerequisites: Agriscience 1 (Introduction to Horticulture Recommended, but not required)

Grade level: 10-12 (11-12 suggested)

Athletics

**Byng Athletics is considered competitive athletics. Tryouts may be held or pre-season practices may be considered tryouts. Coaches then select who receives a uniform based on ability shown in these tryouts. Each prospective athlete is expected to dedicate the appropriate amount of time to increase their skill in a sport and be at all games and practices set forth on the schedule by the coach.

Baseball (3330)

Baseball is a 9-10 month commitment with 2 seasons. Fall is August to October and Spring is March to May. Summer requirements are workouts, scrimmages and league games that are from end of May till August. There is an OSSAA required dead period typically around the first 2 weeks of July where no practices or games will be held. Baseball hour for grades 9-12 is 7th period.

Prerequisites: none Grade level: 9-12

Basketball (3330)

Basketball is a 6 month commitment with 1 season in the Winter running from mid to end of October till early March. There are some Summer requirements consisting of team camps, workouts, scrimmages and league games that are from end of May through June. There is an OSSAA required dead period typically around the first 2 weeks of July where no practices or games will be held. Basketball hour for grades 9-12 is 7th period.

Prerequisites: none Grade level: 9-12

Cheer (3330)

Notes: 7th period

Prerequisites: Must make Tryouts

Grade level: 9-12

Cross Country (3330)

Cross Country is a 6 month commitment with 1 season in the Fall with races from late August to early November. Summer requirements are mileage and workouts that are from June till August. There is an OSSAA required dead period typically around the first 2 weeks of July where you are expected to follow the training plan on your own. Cross Country hour for grades 9-12 is 7th period.

Prerequisites: none Grade level: 9-12

Golf (3330)

Notes: 7th period; competes in the spring

Prerequisites: none Grade level: 9-12

Softball (3330)

Softball is a 9-10 month commitment with 2 seasons. Fall is Fast Pitch from August to October and Spring is Slow Pitch from March to May. Summer is Fast Pitch with requirements for workouts, scrimmages and

league games that are from the end of May till August. There is an OSSAA required dead period typically around the first 2 weeks of July where no practices or games will be held. Softball hour for grades 9-12 is 7th period.

Prerequisites: none Grade level: 9-12

Tennis (3330)

Notes: 7th period; competes in the spring. For those that don't participate in another sport we practice when school is in session and 5-6 weeks of camp during the summer. After School practice is required. If you are thinking of enrolling in 7th hour tennis and have not played before, please contact Coach Sanders before enrolling.

Prerequisites: none Grade level: 9-12

Track (3330)

Notes: 7th period; competes in the spring

Prerequisites: none Grade level: 9-12

College and Career Programs

College Concurrent (2000)

Students enroll in college courses and are provided class periods to either travel to the college campus or to work on online coursework.

Prerequisites: acceptance by college; proper paperwork filed with office

Grade level: 11-12

Pontotoc Technology Center (Course Codes vary by program.)

Students are provided class periods to attend Pontotoc Technology Center for programs in Automotive, Cosmetology, Environmental Biotechnology, Health Science, Heavy Equipment, Information Technology, or Welding.

Notes: Listed as Other-CareerTech in PowerSchool

Prerequisites: acceptance by PTC

Grade level: 11-12

Internship (2791)

Students are provided two or three class periods to travel to a job site and work ten hours per week.

Prerequisites: proper paperwork verifying employment filed with office

Grade level: 12

Character Education

Character Education (2745)

Course designed to teach students practical character building skills such as understanding and managing their emotions, setting goals and getting organized, respect, and making good decisions.

Prerequisites: none Grade level: 10-12

Construction Trades

Introduction Construction Trades (8824)

This course is an introduction to the various trades that are used in residential construction. It covers measurement, the use of power tools, the use of shop tools, the basics of wood framing, electrical basics, and plumbing basics. We also have a SkillsUSA chapter which is our student organization that coordinates our competitions in the spring.

Notes: Listed as TC Construction Trades in PowerSchool

Prerequisites: none Grade level: 10-12

Driver Education

Driver Education (2710)

Prerequisites: proper paperwork filed with office

Grade level: 9-12

Family and Consumer Sciences

Culinary Basics Skills (8426)

Course Description: This course is an introduction to the history of food service and kitchen fundamentals such as safety, sanitation, kitchen equipment and kitchen basics. Nutrition as it relates to food preparation is also covered. The ServSafe certification by the National Restaurant Association may be taught/obtained during this course. Students learn preparation and quantity food production skills in breakfast foods, sandwiches, salads, garnishes, fruits, vegetables, potatoes and grains. Students will learn proper terminology and use of equipment applicable to the preparation of these foods. The importance of teamwork in the food service environment is also emphasized. Student leadership through Family, Career and Community Leaders of America (FCCLA) is an integral part of this course.

Prerequisites: none Grade level: 9-12

Overview Fashion Design 1 (8413)

An introductory course that provides students with the most current information about the basic concepts and business aspects of fashion marketing and merchandising. It introduces students to the field of

fashion promotion and provides foundational fashion concepts related to economics, textiles, and design. Basic fashion concepts and marketing terminology, fashion cycles, key components of the fashion industry, retail merchandise categories, and fashion promotion. Current issues related to industry globalization, social media, and sustainability as well as essential career skills and career opportunities will be explored. Student leadership through Family, Career and Community Leaders of America (FCCLA) is an integral part of this course.

Prerequisites: none Grade level: 9-12

Health

Health (3310)

This course is the study of the major health problems in America. Special attention will be directed at those problems that specifically affect teenagers. Problems will range from heart disease and mental illness to drugs and alcohol and teenage pregnancies. Each topic will be looked at thoroughly to find ways to remedy or prevent its occurrence.

Prerequisites: Grade level:

Leadership

Leadership (2760)

The purpose of this organization is to: Provide knowledge and experience in student government, promote school student activities, promote student leadership, promote communication throughout the school, promote pride within the school, provide a forum for student expression, address the general needs of the student body of Byng High School, foster better relations between faculty and the student body, and to carry out these purposes ethically and with integrity.

Prerequisites: acceptance into Student Council

Grade level: 10-12

Physical Education

Trotters (3320)

The Oklahoma Trotters are a performance group of students from 7th - 12th graders that choreograph routines to music using basketballs, dance, and gymnastics. Trotter manager positions range from Website designer, Secretary, Public Relation, D.J., Photographer, Videographer, and Equipment manager. For more information please visit The Oklahoma Trotters.

Prerequisites: Must make Tryouts

Grade level: 7-12

AERIALS

The AERIALS are a performance group of students from 7th - 12th graders that choreograph routines to music using their gymnastics/acrobatics skills. Aerial manager positions range from Website designer, Secretary, Public Relation, D.J., Photographer, Videographer, and Equipment manager.

Prerequisites: Must make Tryouts

Grade level: 7-12

Pom

The Pom Squad is a performance group of students from 7th - 12th graders that choreograph routines to music using their dance skills.

Prerequisites: Must make Tryouts

Grade level: 7-12