



# what's Coming in 26-27 to BD?

The new courses lowdown!



Students in this course study the history of musical theatre and its place in today's society. They participate in staging, choreographing, rehearsing, and performing original or existing musical work. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community. Students will work as soloists and in small and larger ensembles.

- Grades 9-12
- Fulfills a Fine Arts requirement for all diploma tracks
- 1 semester class, can take up to 4 semesters total

# Musical Theatre





# English Courses

## Short Stories

A study of the distinct features of the short story, such as tightly focused narrative fiction. The course may be organized by historical periods, themes, or authors. Students examine short stories with modernist and contemporary themes by a variety of authors from the perspective of audience, purpose, and historical development. Students analyze what distinguishes the short story genre from other literary genres (e.g., novels, epics, romances, biographies).

- Grades 11-12
- 1 semester course

## Critical Thinking and Argumentation

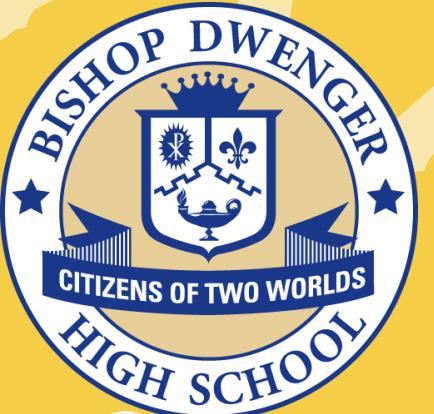
This course is a study of deductive and inductive logic, including logical fallacies, and should challenge students to think critically, analytically, and philosophically. Students learn to formulate thoughtful inquiry questions, connect ideas or concepts, challenge ideas and concepts, rephrase ideas when appropriate.

- Grades 11-12
- 1 semester course
- Teacher Recommendation

## Intro to Literature

In this dual credit course, students will grow in the development of basic strategies for critically reading and interpreting poetry, fiction, and drama. This course is an introduction to the premises and motives of literary analysis and critical methods associated with various literary concerns through class discussion and focused writing assignment. ***NOTE: If a student is not eligible for the Ivy Tech dual credit, the BD course title will be Advanced English/Language Arts.***

- Teacher Recommendations
- Cumulative GPA of 2.6/3.0 required
- Ivy Tech Course fees



# AP World History Modern

AP World History Modern students investigate significant events, individuals, developments, and processes in historical periods from approximately 1200 CE to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

- Grades 9-12
- Meets the World History Requirement for both diploma tracks
- Incoming 9<sup>th</sup> Graders: Must have passed 8<sup>th</sup> grade Social Studies, Literature, and Grammar with an A average and be placed into Honors English.
- Current BD Students: Honors English Placement
- Summer assignment, in preparation for the class is required
- Full Year



The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP French

Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in French. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

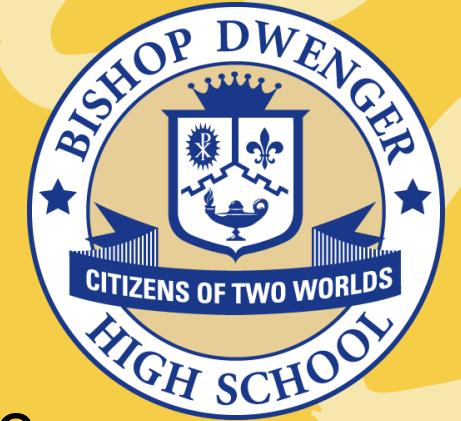
# AP French Language & Culture

- Grade 12
- Pass French III with a B- or higher and have teacher recommendation

# Computing Foundation for the Digital Age

- Required for the New IN diplomas
- Grades 9-12
- 1 semester

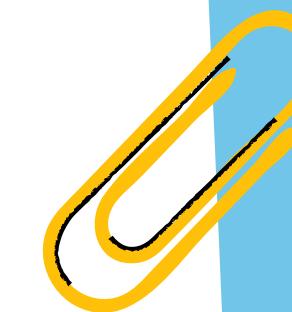
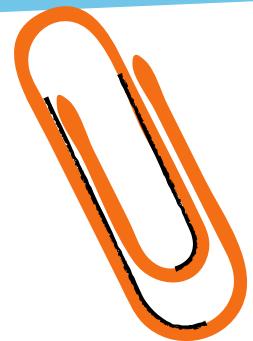
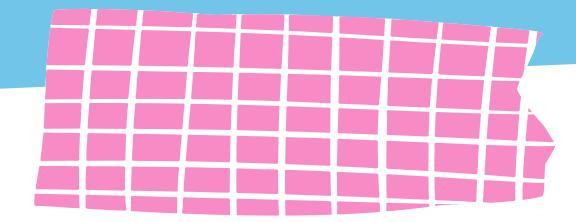
Computers and the internet have revolutionized the way we access and disseminate information. As technology continues to change at an ever-increasing pace, the need for students to gain a foundational understanding of computer science is clear. Computing Foundations for a Digital Age is designed to introduce students to five major topics within computer science including computing systems, networks and the internet, data and analysis, algorithms and planning, and impacts of computing. The course introduces foundational computing concepts while exploring current events and building critical thinking, collaboration, problem solving, and other important skills that are invaluable for life in a global and technologically advancing society.





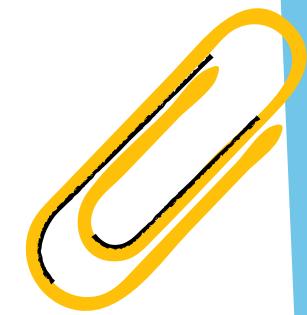
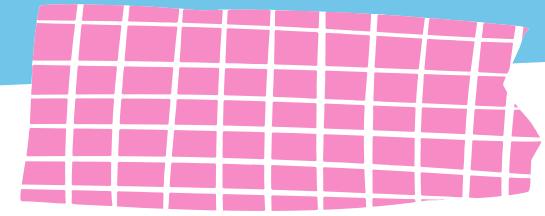
# Sculpture

- Grades 9-12
- Fulfills the Fine Arts requirement
- 1 semester course



Students in sculpture engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production. Using metal, wood, and stone, students create portfolio quality works. They create realistic and abstract sculptures utilizing subtractive and additive processes of modeling, construction, and assembling. They reflect upon and refine their work. Technical skills and procedures are needed for complete projects.

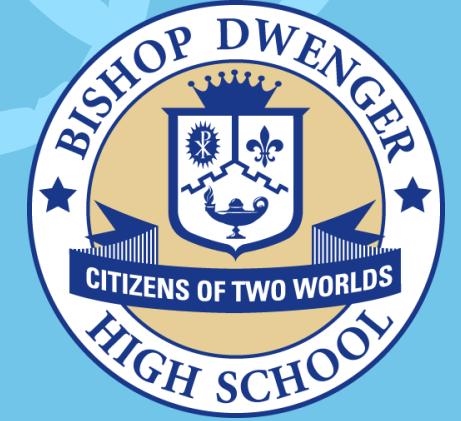




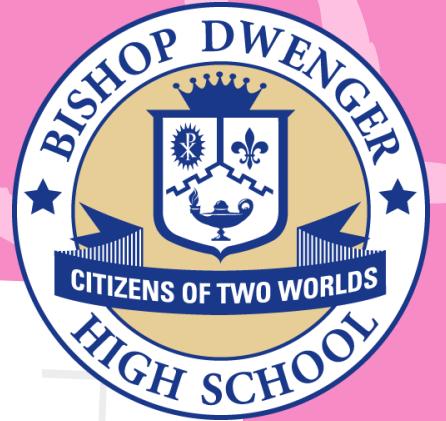
# Church History

- Grades 12
- 1 semester course

The purpose of this course is to supply the students with a general knowledge of the Church's history from apostolic times to the present. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him throughout history through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today and, as such, has both divine and human elements. In this course, students will learn about the Church's 2,000 years of history and about how the Church is led and governed by the successors of the Apostles.



# Science Courses



## PLTW Human Body Systems

As part of the Project Lead the Way (PLTW) program, the second course, Human Body Systems is a course designed to engage students in the study of basic human physiology and the care and maintenance required to support complex systems. Using a focus on human health, students will employ a variety of monitors to examine body systems (respiratory, circulatory, and nervous) at rest and under stress and observe the interactions between the various body systems. Students will use appropriate software to design and build systems to monitor body functions.

- “C-” or higher in Principles of Biomedical Science
- Fulfills a Science requirement for all diplomas
- Grade 10-12
- Full Year

## BIO 101 Intro to Biology

This course covers fundamental life science concepts including cell biology, genetics, evolution, and ecology. It is designed for non-science majors and introduces topics from the molecular level up to ecosystems, focusing on the interactions of living organisms and the applications of biology in the world. The course includes topics like the characteristics of life, the structure and function of organisms, and the process of photosynthesis. This is a dual credit course through Ivy Tech. ***NOTE: If a student is not eligible for the Ivy Tech dual credit, the BD course title will be Advanced Science.***

- Teacher Recommendation
- C or higher in previous Science Courses



# Math Courses

## AP PreCalculus

This course covers topics including modeling real-world data, exploring multiple representations, and mastering symbolic manipulation. The course teaches students to approach precalculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

- Grades 11-12
- Must have passed Algebra II Honors with a B or higher and department recommendation

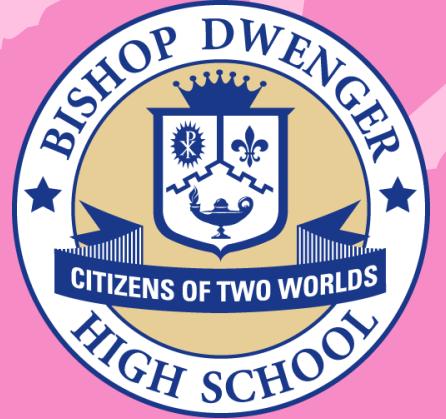
## Dual Credit Finite Math

This dual credit course provides a comprehensive introduction to the fundamental concepts of finite mathematics. Major topics include linear equations and inequalities, systems of linear equations, elementary set theory, matrix algebra and its applications, linear programming, and introductory probability. Emphasis is placed on analytical reasoning, mathematical modeling, and the application of mathematical methods to real-world contexts. *\*While this course corresponds to a one-semester college course at Ivy Tech, BDHS offers it over two semesters.*

- Grade 11-12
- Falls in the Math Course sequence
- Full year
- Meet Ivy Tech Math Criteria of 2.6 GPA AND Ivy Tech Knowledge Assessment STEM score of 70+ OR PSAT Math score 540+ OR SAT Math scores 550+ OR ACT Math score 24+



# BD Career Academy



## Year 1 (Junior Year) Three Course Sequence Taught in Succession

### 7110 Principles of Welding Technology

The course includes classroom and lab experience that develop a variety of skills in oxy-fuel cutting and basic welding. Instructional activities emphasize properties of metals, safety issues, blueprint reading, electrical principles, welding symbols and mechanical drawing through projects and exercises. This is a dual credit course through Ivy Tech.

### 7111 Shielded Metal Arch Welding

Process theory will include basic electricity, power sources, electrode selection, and all aspects pertaining to equipment operation and maintenance. Laboratory weld will be performed in basic weld joints with a variety of electrodes in the flat, horizontal, and vertical positions.

### 7101 Gas Welding Process

Gas welding processes is designed to cover the operations of Gas Metal Arc Welding (MIG) equipment. This will include all setting, adjustments, and maintenance needed to weld with a wire feed system. Instruction on both short-arc and spray-arc transfer methods will be covered.

## Year 2 (Senior Year)

### 7226 Welding Technology Capstone

The Welding Technology Capstone course builds upon the knowledge and skills developed in welding fundamentals, Shieled Metal Arc Welding, and Gas Metal Arc Welding by developing advanced welding skills in Gas Tungsten Arch Welding (TIG), Pipe Welding and Fabrication. Passing AWS Welding certification is done.

# Welding



# BD Career Academy

Year 1 (Junior Year) Three Course Sequence Taught in Succession

## 7130 Principles of Construction Trades

This course prepares students with the basic skills needed to continue in a construction trade field. Topics will include an introduction to the types and uses for common hand and power tools.

### 7123 General Carpentry

Designed to build upon the skills learned in the Principles of Construction Trades and examines basics of framing.

### 7122 Framing and Finishing

Framing and Finishing prepares students with advanced framing skills along with interior and exterior finishing techniques. Topics include roofing applications, thermal and moisture protection, and exterior finishing.

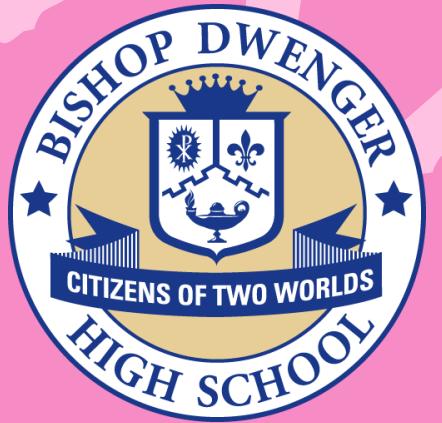
## YEAR 2 (Senior Year)

### 7390 Masonry Fundamentals

This course would cover the basics of masonry construction, including safe work practices, tool usage, and the characteristics of materials like brick and block. The curriculum typically includes both theory (e.g., reading plans, estimating) and practical skills (e.g., mixing mortar, laying block, building walls, and finishing joints). The goal is to provide foundational knowledge and hands-on experience for a career in the masonry trade.

### 7242 Construction Trades Capstone

This course integrates practical skills with theoretical knowledge to produce a final project. Students analyze and synthesize skills from their coursework, apply knowledge to create a tangible product or service, and present their work to peers and potential business partners. The course likely covers topics like project management, safety protocols, design processes, and the application of specific trades such as electrical wiring and concrete work, culminating in a complex project that showcases their abilities.



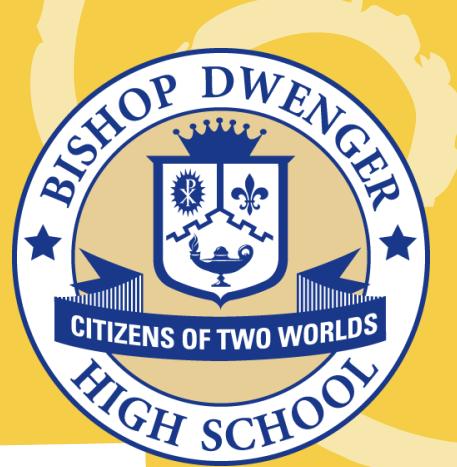
# Construction





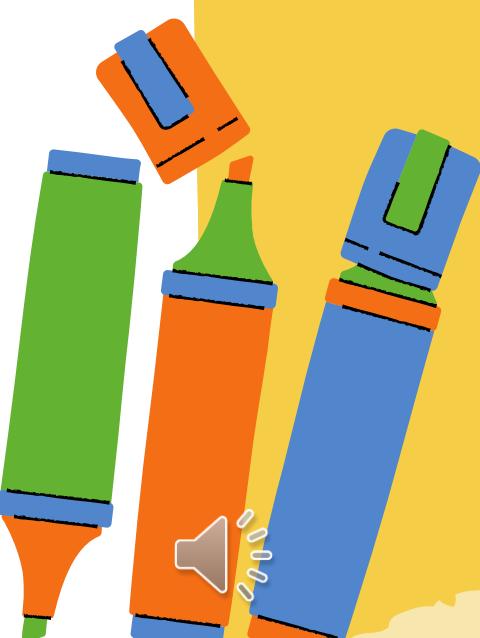
# USF Partner Programs

## Pathway to Educator Preparation Program (PEPP)



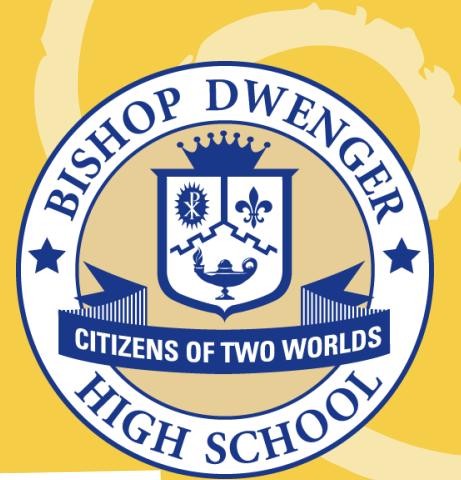
This two-year program is designed to help high schools experience the education field. Students will participate in 3 dual credit courses resulting in 9 credit hours along with 80 hours of targeted classroom work experience. Students will attend the course part of the week and on non-course days, do their field experience in a diocesan elementary school. At the end of the program, students will be able to sit for the paraprofessional certification exam. Dual credit courses are: EDUC 105 Foundational Theories for Learner Success, EDUC 108 Introduction to Teacher Education, and SPED 137 Foundations in Exceptionalities. This is an ideal pathway option and experience for those interested in becoming teachers and working in a school system. One course is taken per term. Students spend three periods on the program and 4 periods in the regular high school classroom.

- Grade 11 (start year with continuation into grade 12)
- Minimum 2.5 cumulative GPA
- A grade of C or higher must be maintained to remain in the program
- Meets the Postsecondary-Ready Competency for the Graduation Pathways
- University of Saint Francis Program Fee (\$900 for the 3 courses, \$500 one-time field experience fee, \$250 paraprofessional certification fee for a total of \$1650.00). Fee must be paid up front each semester for the cost of the program to BD and then BD pays USF.





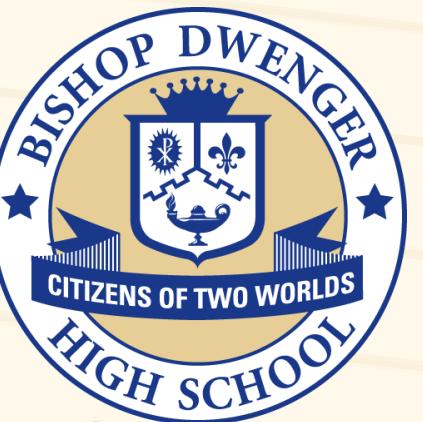
# USF Partner Programs



## Certified Nursing Aide (CNA)

This one-year program allows students to experience high-quality patient care and support, serving as a member of a healthcare team. CNAs perform basic nursing duties and assist patients with daily tasks. The knowledge gained through the program is ideal for students wanting to further their education in careers in qualified medical fields and nursing. Through a blend of classroom instruction, hands-on practice and clinical rotations, you will develop the knowledge and skills needed to succeed. Dual credit courses include COHS 100 Intro to Health Careers, COHS 101 Exploring Health Careers, COHS 108 Concepts of Patient Care, COHS 150 Medical Terminology, and HLSC 100 Nurse Aide Preparation.

- Grade 11-12
- Admittance into program
- USF/Leffler Academy Program Cost (5 dual credit courses including books/supplies is \$2,500 per student) paid for up front upon admittance to the program to BD and BD pays USF the cost.



**Planning for  
the future  
starts now!**