

# **New Tech High @ Zion-Benton East**



## **COURSE GUIDE**

2022 - 2023

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**PURPOSE**

The purpose of the Course Guide is to provide information important for choosing an appropriate course sequence and selecting courses needed to achieve educational and career goals.

**Superintendent**  
**Executive Director of Student Services**  
**Executive Director of Special Services**  
**Executive Director of Teaching & Learning**  
**Director of Equity and Engagement**  
**Principal**  
**Assistant Principal**

Dr. Jesse Rodriguez  
 Mr. Jacob Carlson  
 Dr. Susan Barker  
 Dr. Melissa DiGangi  
 Ms. Michelle Hassan  
 Ms. Bonnie Felske  
 TBA



Note: The *Course Guide* is approved annually by the District 126 Board of Education.

# New Tech High @ Zion-Benton East

**Vision:** Empower students to thrive in today's global society

**E**mpower  
Students, Families,  
Staff, & Communities



**EMPOWERMENT**

**E**nhance  
Achievement & Eliminate  
the Opportunity Gap



**EQUITY**

**E**nsure  
Effective & Efficient  
Operations



**EXCELLENCE**

## Core Beliefs

- A safe and supportive learning environment that leads to self-confidence and social responsibility for all members of the school community.
- Intentional implementation of equitable policies, processes, and practices to ensure students succeed academically, socially, and civically.
- Effective, efficient, and sustainable fiscal practices to maximize learning and working opportunities for students, faculty, and staff in partnership with the community.

## Guiding Principles

- To promote creativity and adaptability to new ideas that support and improve student learning.
- To foster an environment that seeks to eliminate the opportunity and achievement gaps.
- To pursue the highest standards of achievement where all learners will be supported with intervention, enrichment, and acceleration opportunities.

**Mission:** To promote self-worth, social responsibility and life-long learning in partnership with our community

# Graduation Requirements

To be eligible for a diploma from this high school, a student must have completed eight semesters of high school attendance with the final semester as a full-time student at New Tech High @ Zion-Benton East.

Curriculum Area	Carnegie Units Required 2023	Carnegie Units Required 2024	Carnegie Units Required 2025 & 2026
English	4.00	4.00	4.00
Mathematics	3.00	3.00	3.00
Science (1 year of a lab science)	3.00	3.50	3.00
Social Science (1 year of U.S. History, 1 semester of Government)	3.00	3.50	3.00
Physical Education	3.00	3.00	3.00
Health	0.50	0.50	0.50
Electives	3.50	3.50	4.5
Spanish for Heritage Speakers 1,2	1.50	1.50	0.00
Power Skills/Freshman Seminar	1.00	0.50	0.00
Career Exploration	0.50	0.50	0.00
Personal Finance	0.00	0.00	0.50
Senior Core Electives	0.00	0.00	1.0
<b>Total Required Credits</b>	<b>23</b>	<b>23.5</b>	<b>22.5</b>

## Definition of a Carnegie Unit:

A unit of credit is given for a successfully completed 36-week full-credit course or two 18-week courses meeting one period each day, five days weekly. Summer School and Before/After School credit recovery courses earn a semester of credit of 0.50 except for Driver Education, which is 0.25 credit.

## Important Information Regarding Graduation Requirements

- 1.) Students must pass the Constitution test to be eligible for graduation. This test will be offered in the Government course.
- 2.) If a student fails a course required for graduation, he/she must make up that credit through one of the following options:
  - a.) Before or After School
  - b.) Summer School
  - c.) Correspondence Courses
- 3.) The PE requirement can be met by enrolling in NJROTC.

## Class Load

Students will be scheduled for the appropriate grade level core curriculum and electives in the New Tech program. Modifications to the program's sequence of courses are only allowed with permission from the principal.

## College/Post-Secondary School Admission Guidelines

These guidelines provide direction in planning for college and/or post high school instruction and career decisions. Students must select courses and electives that will help them meet the entrance requirements of the college or post-secondary school of their choice. Not all schools and colleges have the same admissions requirements. Parents, counselors, and advisors must work jointly with students to help them choose the proper courses to achieve their desired goals for entrance to the institution of their choice and their career objectives.

Colleges generally have the following admission requirements:

English: 4 years

Mathematics: 3-4 years

Science: 3 years

Social Science: 3 years

World Language: 2 years

However, it is important to consult the college/university you plan to attend for requirements specific to that institution. Please see your Counselor with any questions or concerns regarding admission guidelines.

## **NCAA Requirements**

Students who plan to practice and play their freshman year at an NCAA Division I or Division II College must satisfy the requirements of NCAA Bylaw 14.3, commonly known as Proposition 48. Courses approved by the NCAA are noted in the course number. Some courses within our school curriculum, credit recovery, and correspondence may not satisfy NCAA requirements. For additional information, please see your Counselor or the Athletic Director.

## **Early Graduation**

Students who choose to graduate in less than the required eight semesters (covering four calendar years) must meet the following conditions and have special/extenuating circumstances to warrant consideration.

- a. Make an application to the appropriate counselor for approval of a plan to complete high school in this manner. This must be done prior to the end of the junior year. This plan requires written parental permission unless the student is eighteen years old. The Principal makes the final decision.
- b. Pass all required subjects.
- c. Earn sufficient credits in summer courses and/or by carrying extra full-credit subjects during regular semesters to meet minimum graduation requirements.

## **Second Grade Option**

Students may repeat courses during summer school to improve a grade.

- a. This option may be used only once per course.
- b. Students may not repeat courses at other institutions and transfer the grade to New Tech High @ Zion-Benton East.
- c. This option may be used only if the first grade was a "C" or "D".
- d. Pass-Fail courses cannot be repeated for a grade.
- e. This provision may apply to a maximum of two (2) units of credit per student.

## **Schedule Changes**

Students must take responsibility with their parents and counselor for the registration and scheduling process. It is not easy to change schedules once registration is completed. Courses selected during the spring registration process may not be changed after the confirmation deadline of May 15 unless a compelling reason exists and only if there is room in the course.

Schedule changes may be made for one of the following reasons:

- a. The student failed a required course needed for graduation.
- b. Course completed by attending Summer or Alternative School.
- c. Error in a student's schedule requiring a change.

School Administrators may request schedule changes to be made at any time for one of the following reasons:

- a. To balance class enrollments, student disciplinary problems and other.
- b. Placement in Special Education Programming.

Students who drop a course after the first ten school days of a semester are warned that it may not be possible to add a replacement class to their schedule to meet the minimum class load requirement.

Students who drop a course after the first ten school days of a semester are also warned that they may, depending on the circumstances, be assigned a grade of "F" for that course.

Students who drop a course after the first quarter of each semester may be assigned a grade of "F" for that course.

## **The Advisory Program**

Students enrolled at New Tech High @ Zion-Benton East will participate in an Advisory Program. In an effort to establish a comprehensive support system for students. Advisors will meet each week with New Tech students in small groups to provide student mentoring, coaching, and advocacy

## **Alternative to High School Attendance: College Credits During Senior Year**

Students may elect to substitute college attendance for their regular senior term or second semester of their regular senior term under the following conditions:

- a. Make an application to the Executive Director of Student Services for approval of a plan to complete high school in this manner not later than the first semester of the junior year in high school.
- b. Have and maintain a B (3.0) grade average based on all full-credit subjects completed.
- c. Have passed all required subjects or agree to take in a post-high school institution (college) the same required subjects or acceptable college equivalents for any required senior subjects unless taken by special permission in prior years of summer terms.
- d. Have written parental permission, unless eighteen (18) years old.
- e. Present evidence of completion of at least 12 semester hours of post-high school credit for each semester of high school missed.
- f. The NewTech High @ Zion-Benton East diploma will be issued after the student has completed the requirements noted in A to E of this section.

## **Accelerated Placement Policy**

Participation in the District's accelerated programming— Honors and Dual Credit courses— is not limited to students who have been identified as gifted and talented; it is open to all students who may benefit from accelerated placement. In order to challenge each and every student to his or her fullest potential, the District uses multiple valid, reliable student performance measures to provide recommendations for placement, including, but not limited to, grades, standardized assessment data, faculty recommendations, learning mindset indicators, and student and parent requests.

Recommendations for student enrollment in the District's Honors and Dual Credit courses are based on the aforementioned criteria developed by the District or by the specific criteria developed by the governing body of the course (e.g., the College of Lake County for Dual Credit courses) and occur during the spring of each school year. However, because the District monitors student progress on a continuous basis, students, parents, counselors, and teachers may request changes in placement during the school year. Prior to a student's removal from or addition to an accelerated course, parents and students are notified of the proposed change by their teacher and/or counselor and engaged in the decision-making process prior to any course change.

## **Dual Credit at NT@ZBE and The College of Lake County**

Juniors and seniors who meet the College of Lake County's eligibility requirements may receive dual credit for qualifying elective courses during their junior and senior years. All electives that are eligible for dual credit with CLC will be aligned to rigorous expectations and outcomes as designated by CLC. The principal must be consulted for eligibility, possible restrictions affecting grade point average, and athletic eligibility. Students are cautioned that some colleges will not accept courses under dual credit. Information regarding dual enrollment procedures will be provided to all juniors and seniors in time for students and parents to follow the required procedures to gain CLC approval. Completion of enrollment procedures with CLC and any payment of associated fees are the responsibility of the student and his/her parents. Students may transfer in CLC credits taken at CLC up to the number of elective credits needed for graduation. Permission must be obtained from the principal prior to taking the course(s). Students must maintain a cumulative 2.5 GPA at the conclusion of the semester preceding enrollment in



## Summer School

The high school conducts a tuition-based summer session, in which students may take a maximum of one unit of credit to make up courses missed or failed.

A separate bulletin describing the summer term is published in April. Students will be required to attend a minimum number of classroom hours to earn credit.

## Credit Recovery

Zion-Benton Township High School District 126 offers credit recovery course options (similar to summer school) each semester before and after school based on sufficient enrollment. Students may enroll on a tuition basis to make up courses missed or failed. Course offerings and additional information are available in Student Services.

## Special Services

A wide range of special services is available to those students who have demonstrated the need for eligibility. These services include: Homebound/hospitalized instruction, educational and psychological testing, substance abuse counseling, and accommodations for the 504 Plan. The Student Assistance Program (SAP) is a special support program that is available to assist students in dealing with issues related to alcohol, other drugs, and other related issues that may disrupt the student's ability to achieve academically. Various support groups are offered to qualifying students. Students may be referred to the SAP through means of a self-referral or a referral from a teacher, parent, or friend. A team of specially trained educators screens each referral, interviews the student, and recommends an appropriate support program. Students who desire more information should talk with their counselor or advisor.

Any student or parent, who believes that there is a learning problem or a need for special service, should contact the student's counselor for further information.

## Special Education

District 126 provides all students with disabilities a free and appropriate public education, in accordance with applicable state and federal laws. Parents/guardians of a student with disabilities and the student serve as team members with the public school staff in determining eligibility for and provisions of special education services. Every identified student will be assigned a case manager to facilitate registration, monitor compliance with legal requirements, and provide assistance to students, teachers, and parents.

The major goals of the District 126 Special Education Department are:

1. To provide the specialized instruction and supports necessary for a student with identified special education needs, in the least restrictive environment in which the student can succeed;
2. To ensure, as much as possible, that each student is encouraged:
  - a. to identify strengths and to minimize weaknesses,
  - b. to accept a major portion of the responsibility for the quality of his/her life,
  - c. to view oneself as a capable human being able to contribute to the home and school community, and
  - d. to actively engage in planning a post-high school career.

In order to achieve these goals, the District's Special Education Department offers a continuum of resources and instructional services for eligible students with disabilities in the categorical areas of: learning disabilities, cognitive disabilities, emotional disturbances, autism, physical disabilities, traumatic brain injuries, other health impairments, hearing and vision impairments (including deafness and deaf-blindness), and speech and language disabilities. Students will be registered for general education classes unless the student's individualized education program (IEP) specifies a more restrictive environment. The goal is to meet the educational and/or emotional needs of students using the least restrictive environment appropriate to the individual child. To offer a full continuum of special education options, District 126 works with the Special Education District of Lake County (SEDOL). For additional information, contact the Special Education Dept. at 847-731-9500.

## **Fees**

All students must pay a standard fee that includes book rental, technology fee, towel fee, consumables and lab fees, student handbook, and purchase of a lock. Some courses require additional material fees, workbooks, and/or supplemental reading texts. As soon as the instructor informs students what is needed, students should pay the fee or purchase the materials. Fees can be viewed and paid online, at any time, using Skyward Family Access. A District fee waiver application is available in the District's Business Office.

## **Transfers**

Intra-district transfers are subject to the provisions of the Board of Education Policy governing transfers and are extremely limited. It is the School Board's expectation that students who enroll at New Tech High @ Zion-Benton East complete its four-year program.

## **Title IX Compliance**

Zion-Benton Township High School District 126 is in compliance with all federal and state Non-Discrimination and Equal Opportunity Laws, Orders and Regulations. The schools will not discriminate against any of its educational programs and activities. Title IX of the Educational Amendments of 1972 and regulations issued thereunder require Zion-Benton Township High School not to discriminate on the basis of sex in its educational programs and activities including the areas of employment. Questions may be directed to the Title IX Coordinator at 847-731-9361 or write 3901 W. 21<sup>st</sup> Street, Zion, Illinois 60099.



# Sample Four-Year High School Plan for the Class of 2026

## Freshman Year

Semester 1	Semester 2
English 1 Composition	English 1 Composition
Math or Math Honors	Math or Math Honors
Social Studies	Social Studies
Biology	Biology
Spanish or Heritage 1	Spanish or Heritage 1
Physical Education	Physical Education
Freshman Seminar	Freshman Seminar
Study Hall/Overload	Study Hall/Overload
Advisory/Lunch	Advisory/Lunch

## Sophomore Year

Semester 1	Semester 2
English 2 World Literature and Composition	English 2 World Literature and Composition
Math or Math Honors	Math or Math Honors
World Cultures	World Cultures
Chemistry	Chemistry
Spanish or Heritage 2	Spanish or Heritage 2
Health	Driver Ed
Personal Finance	Career Exploration
Study Hall/Overload	Study Hall/Overload
Advisory/Lunch	Advisory/Lunch

## Junior Year

Semester 1	Semester 2
American Lit. & Composition	American Lit. & Composition
Math or Math Honors	Math or Math Honors
DC US History or US History	DC US History or US History
Physics	Physics
Physical Education	Physical Education
Elective (2)	Elective (2)
Study Hall/Overload	Study Hall/Overload
Advisory/Lunch	Advisory/Lunch

## Senior Year

Semester 1	Semester 2
DC English Composition 1 or English 4	DC English Composition 2 or English 4
Math or Math Honors	Math or Math Honors
Government	Social Science Elective
Science Elective	Science Elective
Physical Education	Physical Education
Core Elective	Core Elective
Elective (2)	Elective (2)
Study Hall/Overload	Study Hall/Overload
Advisory/Lunch	Advisory/Lunch

\*\*Driver Ed is not a graduation requirement but may be taken sophomore, junior, or senior year.

# Honors Recognition

## Determining Grade Point Average

Weighted Grade Point Averages are determined by averaging honor points awarded for grades earned. Grades earned in driver education and courses taken on a pass/fail basis will not be used in computing grade point averages or rank in class.

## Grade Weighted Courses

Honors English 1: Composition	Dual Credit United States History 1876 to Present
Honors English 2: World Literature & Composition	Dual Credit Introduction to Art
Honors English 3: Political Studies English	Dual Credit Introduction to Theatre
Dual Credit English Composition I	Dual Credit Introduction To Business
Dual Credit English Composition II	Dual Credit Introduction to Digital Media
Math 1 Honors	Dual Credit Internet Fundamentals
Math 2 Honors	Dual Credit American Decades
Math 3 Honors	Dual Credit Critical Thinking
Honors Pre-Calculus	Dual Credit Introduction to Criminal Justice
Honors Biology	Dual Credit Introduction to Sociology
Honors Chemistry	Dual Credit American National Politics
Honors Social Studies	Dual Credit Physical Geology
Honors World Cultures	Dual Credit Introduction to Psychology
Dual Credit United States History to 1876	

The table below illustrates **honor points** earned for grades:

	A	B	C	D	Pass	Fail
Normal Honor Points	4	3	2	1	0	0
Weighted Honor Points	5	4	3	2	0	0

## Honor Roll

At the end of each semester an Honor Roll and a High Honor Roll will be computed and published. Students achieving a 3.50 to 3.74 weighted grade point average will be listed on the Honor Roll. Students with weighted averages of 3.75 and above will be listed on the high honor roll.

Grades in Driver Education and pass/fail courses are not included in honor roll computations.

Students receiving “incomplete” grades may not have their name published although they may make Honor Roll status after the incomplete is removed.

## Graduation Honors

Student graduation honors will be awarded based on the Cum Laude system. Graduation honors will be based upon the seventh semester cumulative grade point average. Final class standing is based upon the completion of all graduation requirements. Cumulative grade point average at the end of six semesters will be available as soon as possible so that students may audit and verify the computation. Seventh semester cumulative grade point average will be released as quickly as possible following the close of the seventh semester.

The table below illustrates the **Graduation Honors Recognition Program**:

Rank Designation	Grade Point Average
Summa Cum Laude	4.00 and higher
Magna Cum Laude	3.75 to 3.99
Cum Laude	3.50 to 3.74

# COURSE OFFERINGS

## BUSINESS EDUCATION/INDUSTRY AND TECHNOLOGY

### CAREER EXPLORATION

BUS261

**Semester** – .50 ELE Credit – Grade 10

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Course Description:** This course replaces the yearlong Entrepreneurial Leadership/Career Exploration course. Although this course will continue to focus on providing students with opportunities to learn about various career opportunities, it will delve more deeply into that exploration and integrate the development of post-secondary plans as part of the required coursework.

This course allows students to explore various career opportunities and pathways to achieving their career goals. Students are able to explore a wide range of occupations, rather than diving into one specific field. Students will acquire the skills to investigate the world of work in relation to knowledge of self to make informed career decisions. This course will also allow students to understand the relationship between personal qualities, education, training and the world of work. Students will employ strategies to achieve future career goals with success and satisfaction by acquiring career information and identifying career goals. This course will utilize community partners to expose our students to real world occupations. Specific tasks will include interest inventories, aptitude tests, personality assessments, research on educational requirements and job outlook data, complete one job and college application, participate in mock interviews, and resume building. The Career Clusters and related Career Pathways serve as an organizational tool to help students plan their learning.

### DUAL CREDIT INTRODUCTION TO BUSINESS

NT881D

**Semester** – .50 ELE Credit – Grade 11 or 12

3 College Credits and High School Grade Weighting Available for Eligible Students.

See Page 11 for CLC criteria.

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Course Description:** This course provides a broad overview of the principles, functions, and careers in business. Topics included are economics, global business, ethics, business structures, entrepreneurship, management, marketing, accounting, finance and operations management.

### DUAL CREDIT INTERNET FUNDAMENTALS

NT882D

**Semester** – .50 ELE Credit – Grade 11 or 12

3 College Credits and High School Grade Weighting Available for Eligible Students.

See Page 11 for CLC criteria.

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Course Description:** This course addresses in detail everything students need to know to access, explore, and use the world's richest information resource: the Internet. The course examines software, online provider options, costs, and the telecommunication process, E-mail, FTP, Chat, Usenet, the World Wide Web and Web 2.0. Students will get step by step instructions on how to access, research, and retrieve academic, personal, and professional information.

### DUAL CREDIT INTRODUCTION TO DIGITAL MEDIA

NT863D

**Semester** – .50 ELE Credit – Grade 11 or 12

3 College Credits and High School Grade Weighting Available for Eligible Students.

See Page 11 for CLC criteria.

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Course Description:** This course will explore the variety of hardware and software now used to produce digital media, from simple audience-oriented presentations to highly interactive applications. Through lectures, demonstrations, and hands-on laboratory experience, students will examine the production techniques, application uses, trends, business and

legal concerns, design elements, and the product evaluation standards currently used in the digital media industry. Students will develop the design, storyboards, and prototype for a project.

## PERSONAL FINANCE

NT862

**Semester** – .50 ELE Credit – Grade 11 or 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Course Description:** This course provides students with the knowledge and skills they need to explore their financial future while making life-long decisions. Students will gain an understanding of financial services, budgeting, credit cards, loans, investing, retirement, insurance, and taxes.

This course fulfills the state requirement of consumer economics.

## REAL WORLD COMPUTER APPLICATIONS

NT818

**Semester** – .50 ELE Credit – Grade 11 or 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Course Description:** This course requires students to apply computer software and internet skills to communicate and problem solve in our information-intensive society. Students will apply software applications, including word processing, desktop publishing, spreadsheets, and presentation software, and internet services, including browsers and mail clients, to compose, organize, create, and communicate information. Students will integrate their knowledge and skills in software, internet services, and keyboarding to complete projects.

# ENGLISH/SOCIAL SCIENCE

- 1) Students must be aware that some colleges require English at a level of College Prep or higher in order to meet the rigor of their admissions requirements. Many colleges are now requiring that those students whom they admit have completed a four-year College Preparatory Program.
- 2) College Prep courses require industrious students who do their homework. Effort is a necessary component for success.
- 3) Effective with the Class of 2024, students meeting specific course requirements can attain “Earned Honors” grade-weighted credit for their English and/or Social science courses.

## ENGLISH 1: COMPOSITION

EN101

**Yearlong** – 1.0 ENG Credit – Grade 9

**Fees:** Paperbacks Required

**Course Description:** This course replaces World Studies/English. Rather than focusing on a single genre of literature as students begin high school, this course focuses on the fundamental reading and writing college readiness skills, emphasizing the development of the skills needed to be successful in English coursework in and 2 beyond high school while maintaining common themes and subsequent collaboration opportunities with the freshman social science course. This course introduces the fundamental skills of effective written and oral communication, with an emphasis on college and career readiness skills. Coursework focuses on style, structure, and language appropriate for a variety of purposes. Students will review and expand upon basic grammar and usage, study vocabulary, read and analyze selected fiction and nonfiction texts, produce expository and narrative writing, and use technology to develop multimedia products and presentations.

## SOCIAL STUDIES

SS131

**Yearlong Course** – 1.0 SS Credit – Grade 9

**Course Description:** This course replaces World Studies/History. This course focuses on reading skill development and is designed to familiarize students with topics in social science centered on civics, sociology, political science, and economics. In this course students will also be introduced to the various methodologies employed by social scientists. Reading materials will challenge students by asking students to analyze a variety of texts, including various forms of

nonfiction, including charts, graphs, and expository texts. Students will analyze and discuss contemporary issues from multiple perspectives and gain an understanding of how social scientists understand and shape the world. Built around essential questions relevant to students' lives, the course content will encourage students to recognize and address social problems.

### **HONORS ENGLISH 1: COMPOSITION**

HEN101

**Yearlong** – 1.0 Grade Weighted ENG Credit – Grade 9

**Fees:** Paperbacks Required

**Course Description:** This course replaces Honors World Studies/English and reflects the District's Earned Honors approach at New Tech, ensuring all students have access to honors level coursework and credit. Students can attain honors credit at the end of this course by meeting the requirements set forth at the beginning of the course. Grade weighting is applied for those students who successfully meet honors criteria.

### **HONORS SOCIAL STUDIES**

HSS131

**Yearlong Course** – 1.0 Weighted SS Credit – Grade 9

**Course Description:** This course replaces Honors World Studies/History and reflects the District's Earned Honors approach at New Tech, ensuring all students have access to honors level coursework and credit. Students can attain honors credit at the end of this course by meeting the requirements set forth at the beginning of the course. Grade weighting is applied for those students who successfully meet honors criteria.

### **ENGLISH 2: WORLD LITERATURE AND COMPOSITION**

EN201

**Yearlong** – 1.0 ENG Credit – Grade 10

**Fees:** Paperbacks Required

**Course Description:** This course replaces American Studies/English at the sophomore level. Voices in American literature will still be emphasized and remain part of the course of studies but will move to the junior year and be presented for adoption as part of the 2023-2024 curriculum recommendations. This course introduces world literature through the study of its traditions, techniques, and genres. Students investigate how past and current cultures throughout the world influence culture today. This course emphasizes extensive instruction in the writing process in which students produce a variety of multi-paragraph essays, conduct research, and develop narrative writing skills. Students build upon grammar and vocabulary from English 1. 3

### **WORLD CULTURES**

SS231

**Yearlong Course** – 1.0 SS Credit – Grade 10

**Course Description:** This course replaces the American Studies/U.S. History course at the sophomore level. U.S. History will still remain part of the required course of studies but will move to the junior year and be presented for adoption as part of the 2023-2024 curriculum recommendations.

The addition of this course supports the District's efforts to infuse cultural relevance, ensuring diverse cultures and perspectives from around the world that have been influential are taught, validated, and celebrated as part of required coursework. It also reflects the District's vision of preparing students to thrive in a global society. With a focus on world cultures, this course will pair well with sophomore English 2: World Literature and Composition.

This course provides students with an opportunity to learn about cultures throughout the world and their influence on past and current events. Students will develop an understanding of relationships between cultures and environments, examine the physical processes and human interaction that are instrumental in creating cultural identity, and explore the influence of various cultures on the global society.

### **HONORS ENGLISH 2: WORLD LITERATURE AND COMPOSITION**

HEN201

**Yearlong** – 1.0 Grade Weighted ENG Credit – Grade 10

**Fees:** Paperbacks Required

**Course Description:** This course replaces Honors American Studies/English. Students can attain honors credit at the end of this course by meeting the requirements set forth at the beginning of the course. Grade weighting is applied for those students who successfully meet honors criteria.

**HONORS WORLD CULTURES**

HSS231

**Yearlong Course** – 1.0 Grade Weighted SS Credit – Grade 10

**Course Description:** This course replaces the Honors American Studies/U.S. History course at the sophomore level. U.S. History will still remain part of the required course of studies but will move to the junior year and be presented for adoption as part of the 2023-24 curriculum recommendations. Students can attain honors credit at the end of this course by meeting the requirements set forth at the beginning of the course. Grade weighting is applied for those students who successfully meet honors criteria.

**POLITICAL STUDIES ENGLISH/GOVERNMENT**

NT803/NT822 - NCAA

**Yearlong** – 1.0 ENG Credit – Grade 11**Fees:** Paperbacks Required

**Course Description:** The Political Studies program is an integrated course taught by both a Language Arts and a Social Science teacher. Within a project-based instructional methodology, students will learn and apply concepts about the structures and processes of the federal government, the organization, powers, and responsibilities of the branches of government as contained in the Constitution, the interrelations of the U.S. economy, and the factors which influence policy making. Students will study government documents, political literary pieces, and learn about the people who helped to shape our current political system. Students will take a U.S. Constitution exam as required for graduation. This course covers all state requirements related to civics education.

**HONORS POLITICAL STUDIES/ENGLISH / GOVERNMENT**

NT807 / NT811 – NCAA

**Yearlong** – 1.0 ENG Credit – Grade 11**Yearlong** – 1.0 SS Credit – Grade 11**Fees: Paperbacks Required**

**Course Description:** Students can attain honors credit at the end of these courses by meeting the requirements set forth at the beginning of the courses. Grade weighting is applied for those students who successfully meet honors criteria. Students are not required to participate in “Honors” for both courses. The Political Studies program is an integrated course taught by both a Language Arts and a Social Science teacher. Within a project-based instructional methodology, students will learn and apply concepts about the structures and processes of the federal government, the organization, powers, and responsibilities of the branches of government as contained in the Constitution, the interrelations of the U.S. economy, and the factors which influence policy making. Students will study government documents, political literary pieces, and learn about the people who helped to shape our current political system. Students will take a U.S. Constitution exam as required for graduation. This course covers all state requirements related to civics education.

**DUAL CREDIT UNITED STATES HISTORY TO 1876**

DCH331

**Semester Course** - .50 SS Credit Grade Weighted and 3 College Credits – Grade 11

**Course Description:** This course is a survey of American history from the pre-Columbian era to the end of Reconstruction. Among the topics to be explored are: pre-Columbian Americans, European exploration and colonization of the Americas, African slavery and the Atlantic trade, British Colonial America, the American move to Independence and the establishment of the United States, the Early Republic and the Age of Jackson, Westward Expansion and Sectionalism, and lastly the Civil War and Reconstruction.

**DUAL CREDIT UNITED STATES HISTORY 1876 TO PRESENT**

DCH332

**Semester Course** - .50 SS Credit Grade Weighted and 3 College Credits – Grade 11

**Course Description:** This course is a survey of the social, economic, political, intellectual, and cultural history of the United States since 1876. Among the topics examined are: industrialization, immigration, overseas expansion, world wars, economic growth and technological change, the Cold War, urbanization and suburbanization, civil rights and women’s rights movements, politics and the evolution of liberalism and conservatism, and the age of globalization.

**HUMAN STUDIES ENGLISH / ECONOMICS**

NT804 / NT823 – NCAA

**Yearlong** – 1.0 ENG Credit – Grade 12**Yearlong** – 1.0 SS Credit – Grade 12**Fees:** Paperbacks Required

**Course Description:** This senior level course integrates concepts and skills from English, Human Studies, Government, and Economics. The class is taught by both a Language Arts and a Social Science teacher. Areas of study include: the

role of government in a market economy, providing for national defense, addressing environmental concerns, market competition, and consumer rights. Additionally, the class will address government fiscal policies (taxation, borrowing, spending) and their influence on production, employment, and price levels, and how these policies influence economic activity (e.g., the Federal Reserve). Students will read a variety of fiction and non-fiction literary pieces that support the study of human development through the ages and study the events that motivated human progress. Students also participate in activities to reinforce and refine their writing, grammar, and literary skills. This class also includes the required state mandate for Consumer Economics.

### **DUAL CREDIT ENGLISH COMPOSITION I**

DCENC1

**Semester** – .50 Credit Grade Weighted ENG Credit and 3 College Credits – Grade 12

**Fees:** Paperbacks Required

**Course Description:** This course is designed to help students develop their competence in college-level writing and in the analysis of texts so they can enter the dialogue of the academic community. This course includes the analysis and practice of argument and the use of critical thinking to read, analyze, and produce college-level texts.

### **DUAL CREDIT ENGLISH COMPOSITION II**

DCENC2

**Semester** – .50 Credit Grade Weighted ENG Credit and 3 College Credits– Grade 12

**Fees:** Paperbacks Required

**Course Description:** This course furthers the work done in English Composition I by providing students more experience as academic writers, readers, researchers and critical thinkers. To help students construct their own meaning while engaging with the texts of others, they will develop the ability to collect, evaluate, and incorporate varied sources in thoughtfully-written analyses and arguments. Students' work should demonstrate the ability to position themselves within the context of academic and societal conversations using a variety of texts, which may include literature, arguments on various issues, news articles, films, advertisements, and websites.

### **FRESHMAN SEMINAR**

ELE161

**Yearlong** – 1.0 ELE Credit – Grade 9

**Course Description:** This course will replace Power Skills at the freshman level, focusing on executive functioning skills, social-emotional learning, and college readiness, with an emphasis on academic preparation for the SAT and College of Lake County placement test to determine dual credit enrollment.

### **AMERICAN DECADES**

NT864

#### **DUAL CREDIT AMERICAN DECADES**

NT864D

**Semester** - .50 ELE Credit - 3 College Credits and High School Grade Weighting Available for Eligible Students. See Page 11 for CLC criteria. Grade 11 or 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Course Description:** This course introduces students to the interdisciplinary study of American culture by examining the intercultural/multicultural ideas, processes, values, motifs, and traditions that have shaped our pluralistic society. American history, philosophy, literature, music, visual and performing arts will be studied. Emphasis will be placed on reflecting the diverse cultural constituency, and racial and ethnic minorities.

### **CRITICAL THINKING**

NT865

#### **DUAL CREDIT CRITICAL THINKING**

NT865D

**Semester** – .50 ELE Credit – Grade 11 or 12

3 College Credits and High School Grade Weighting Available for Eligible Students.

See Page 11 for CLC criteria.

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Course Description:** This course is an introduction to critical thinking skills (i.e., informal logic), including the following: problem solving, diagramming and evaluating arguments, constructing sound reasoning skills and habits, detecting fallacies, and reasoning from a variety of disciplines such as science, business, law, and the arts.

**DUAL CREDIT INTRODUCTION TO CRIMINAL JUSTICE**

NT899D

**Semester** – .50 ELE Credit – Grade 11 or 12

3 College Credits and High School Grade Weighting Available for Eligible Students.

See Page 11 for CLC criteria.

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.**Course Description:** This course examines the legal process and the administration of justice in American society. Students will be exposed to the criminal process from the police function through adjudication, sentencing, and corrections, as well as the social, moral, and political issues involved in the administration of justice in a free society.**DUAL CREDIT INTRODUCTION TO PSYCHOLOGY**

NT871D

**Semester** – .50 ELE Credit – Grade 11 or 12

3 College Credits and High School Grade Weighting Available for Eligible Students.

See Page 11 for CLC criteria.

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.**Course Description:** This course presents the basic concepts and theoretical perspectives for understanding psychology. The course encompasses factors affecting human behavior and mental processes and includes, but is not limited to, the history of psychology, research methodology, the brain and behavior, learning, memory, cognition, language, intelligence, development, personality, abnormal psychology, therapy and social psychology.**DUAL CREDIT INTRODUCTION TO SOCIOLOGY**

NT873D

**Semester** – .50 ELE Credit – Grade 11 or 12

3 College Credits and High School Grade Weighting Available for Eligible Students.

See Page 11 for CLC criteria.

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.**Course Description:** This course introduces the basic concepts and perspectives for understanding sociology. The course examines how society influences and shapes human behavior. Topics of analysis include, but are not limited to, the development of sociology, theoretical perspectives and research methodologies, culture, social institutions, social change, and social inequality on the basis of class, gender, race and ethnicity, and sexuality.**DUAL CREDIT AMERICAN NATIONAL POLITICS**

NT872D

**Semester** – .50 ELE Credit – Grade 11 or 12

3 College Credits and High School Grade Weighting Available for Eligible Students.

See Page 11 for CLC criteria.

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.**Course Description:** This course is an introductory survey to American politics designed to help students better understand the U.S. political system. The focus of the course is on the system's key political actors, behaviors, processes and institutions. Empirically based explanations are offered to help students understand why these political factors are important to the system's operation, and what effect they have on both the electoral and policy making processes and their outcomes.**CREATIVE WRITING / PUBLICATIONS 1**

NT879

**Semester** – .50 ELE Credit – Grade 11 or 12**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.**Course Description:** Creative Writing/Publications 1 is designed to aid students in creative expression, and in exploring modes of publication. Students will read, evaluate and discuss works of publishable merit and produce material in several genres (poetry, short story, playwriting, drama, and creative non-fiction). Students will write and workshop their own material to complete a final portfolio. Students will also begin production on the New Tech District 126 yearbook. Students need to be responsible, frequent attendees, and self-motivated. Quarter and semester grades will be based on the student's ability to meet deadlines and submit pages that meet established publishing standards.**CREATIVE WRITING / PUBLICATIONS 2**

NT880

**Semester** – .50 ELE Credit – Grade 11 or 12**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability..

**Prerequisite:** Creative Writing/Publications 1 or teacher approval.

**Course Description:** Creative Writing/Publications 2 is a continuation of Creative Writing/Publication 1 and is designed to further aid students in creative expression, and in exploring modes of publication at a more advanced level. Students will read, evaluate and discuss works of publishable merit and produce material in several genres (poetry, short story, playwriting, drama, and creative non-fiction). Students will write and workshop their own material to complete a final portfolio. Students will also continue production on the New Tech District 126 yearbook. Students need to be responsible, frequent attendees, and self-motivated. Quarter and semester grades will be based on the student's ability to meet deadlines and submit pages that meet established publishing standards.

## FILM AS SOCIAL INQUIRY

NT875

**Semester** – .50 ELE Credit – Grade 11 or 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Course Description:** Students will explore the world of storytelling through cinema. Students will watch a variety of films from different genres, years, and directors that comment on social issues of our time and discuss how films use plot, dialogue, and character to convey a message or promote social awareness and change. Then, students will have the chance to write their own movies.

## PSYCHOLOGY 1

NT877

**Semester** – .50 ELE Credit – Grade 11 or 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Course Description:** This course is the study of human behavior. Topics include: Introduction, History, Research Methods of Psychology, Biological Bases of Behavior, Consciousness, Psychological Disorders, Sensation and Perception, Motivation and Emotion, Learning, and Life Span Development.

# MATHEMATICS

The NT@ZB Mathematics program is a rigorous, standards-based curriculum aligned with the Illinois State Standards (Common Core). While the course titles reflect the District 126 course progression, the course curricula often include material outside the scope of the traditional mathematics model. The NT@ZB math courses integrate concepts from all mathematical areas so as to best prepare students for the rigor of college mathematics. Students who are advanced in their mastery of the course concepts are provided Advanced level coursework, where they work to master concepts of the next level of mathematical progression. If you have any questions about the progression of mathematics at NT@ZB, please call the main office to discuss with the individual course instructor or with the principal.

In order to provide access to higher levels of mathematical thinking, we require each student to purchase their own TI-84 Plus Graphing Calculator for all courses.

## MATH 1

NT838 – NCAA

**Yearlong** – 1.0 MA Credit – Grade 9

**Fees:** A TI-84 Plus Graphing Calculator is required.

**Course Description:** This course integrates the foundational concepts of algebra, geometry, and statistics. In this course, students will focus on linear and exponential relationships as well as geometric relationships. Major concepts include representing/analyzing data, solving linear equations and inequalities, graphing linear and exponential functions, transformational geometry, congruence, and angle relationships.

## MATH 1 HONORS

NT839 – NCAA

**Yearlong** – 1.0 MA Credit weighted – Grade 9

**Fees:** A TI-84 Plus Graphing Calculator is required.

**Course Description:** Math 1 Honors has similar topics to Math 1 but involves deeper investigation into mathematical concepts and principles. This course integrates the foundational concepts of algebra, geometry, and statistics. In this course, students will focus on linear and exponential relationships as well as geometric relationships. Major concepts

include representing/analyzing data, solving linear equations and inequalities, graphing linear and exponential functions, transformational geometry, congruence, and angle relationships.

## MATH 2

NT828 – NCAA

**Yearlong** – 1.0 MA Credit – Grade 10

**Prerequisites:** Math 1 or Math 1 Honors

**Fees:** A TI-84 Plus Graphing Calculator is required.

**Course Description:** This course is designed to develop a deeper understanding of the foundational concepts of algebra, geometry, and probability. In this course, students will extend their knowledge from Math 1 to quadratic models. Other major concepts include rational exponents, similarity, right triangle trigonometry, probability, volume, and properties of circles.

## MATH 2 HONORS

NT829 – NCAA

**Yearlong** – 1.0 MA Credit weighted – Grade 10

**Prerequisites:** Math 1 Honors or Math 1 with teacher recommendation.

**Fees:** A TI-84 Plus Graphing Calculator is required.

**Course Description:** This course is designed to develop a deeper understanding of the foundational concepts of algebra, geometry, and probability. In this course, students will extend their knowledge from Math 1 to quadratic models. Other major concepts include rational exponents, similarity, right triangle trigonometry, probability, volume, and properties of circles. This course is designed for students who exhibit a desire and ability to work through an intensified and accelerated program.

## MATH 3

NT826 – NCAA

**Yearlong** – 1.0 MA Credit – Grade 11

**Prerequisites:** Math 2 or Math 2 Honors

**Fees:** A TI-84 Plus Graphing Calculator is required.

**Course Description:** This course is designed to develop a deeper understanding of the underlying concepts of algebra, geometry, and statistics. As the third course in the integrated sequence, this course will afford the student opportunities for engaging in activities that will facilitate the transition to more abstract ways of thinking. Units include exponential and logarithmic functions, polynomials, circles and trigonometry, applied geometry, and inferential statistics.

## MATH 3 HONORS

NT827 – NCAA

**Yearlong** – 1.0 MA Credit weighted – Grade 11

**Fees:** A TI-84 Plus Graphing Calculator is required.

**Prerequisites:** Math 2 Honors or Math 2 with teacher recommendation.

**Fees:** A TI-84 Plus Graphing Calculator is required.

**Course Description:** Math 3 Honors has similar topics to Math 3 but involves deeper investigation into the mathematical concepts and principles of algebra, geometry, and statistics. As the third course in the integrated sequence, this course will afford the student opportunities for engaging in activities that will facilitate the transition to more abstract ways of thinking. Units include exponential and logarithmic functions, polynomials, circles and trigonometry, applied geometry, and inferential statistics.

## TRANSITIONAL MATH

NT819

**Yearlong** – 1.0 MA Credit – Grade 12

**Prerequisites:** Passing grades in both semesters of Math 1, Math 2, and Math 3. Students who have not passed Math 1, 2, or 3 may enroll with administrative approval but will not receive college remedial credit.

**Fees:** A TI-84 Plus Graphing Calculator is required.

**Course Description:** Students earning a C or higher in this course will automatically be placed into a credit-bearing general education math course in any Illinois community college and participating four-year universities (avoiding remedial mathematics in the Quantitative Literacy/Statistics pathway). This course focuses on developing mathematical maturity through problem solving, critical thinking, data analysis, and the writing and communication of mathematics. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. Instruction will emphasize the connections between verbal, numerical, symbolic, and graphical representation of the concepts being taught. Emphasis will be placed on modeling and problem solving, with technique

and manipulations covered in context. The three strands for the course are Algebra, functions, and modeling as they apply to linear, polynomial, rational, and exponential expressions, equations, and functions.

### PRE-CALCULUS HONORS

NT837 – NCAA

**Yearlong** – 1.0 MA Credit weighted – Grade 12

**Fees:** A TI-84 Plus Graphing Calculator is required.

**Prerequisites:** Math 3 Honors or Math 3 with teacher recommendation.

**Course Description:** Pre-calculus Honors has similar topics to Pre-Calculus but involves deeper investigation into mathematical concepts and principles. Students will be required to complete additional in-class and online assignments and projects in order to earn the Pre-Calculus Advanced transcript designation. Calculus concepts may include polar coordinates, complex numbers, analytic geometry, and limits and continuity. Topics in probability and statistics will include data analysis and representation, distributions, and correlation and regression. Additional math concepts may be included from the ACT College Readiness Standards score bands 33-36. Students in Pre-Calculus Honors are provided with an opportunity to prepare for and take the AP Calculus exam.

### FINANCIAL ALGEBRA

NT868

**Semester** – .50 ELE Credit – Grade 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Fees:** A TI-84 Plus Graphing Calculator is required.

**Prerequisites:** Math 3 or Math 3 Honors

**Course Description:** This course is designed to teach students mathematical skills to help them make the correct choices beyond high school. Students will learn about budgeting, leasing or buying a car, renting or buying a place to live, etc. This course will put real-life context to topics from Math 1, Math 2, and Math 3. If you are a student who has struggled in math and wants to be prepared for life after high school, this is the course for you.

### STATISTICS

NT869

**Semester** – .50 ELE Credit – Grade 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Fees:** A TI-84 Plus Graphing Calculator is required.

**Prerequisites:** Math 3 or Math 3 Honors

**Course Description:** The purpose of this course is to provide students with tools for collecting, analyzing and drawing conclusions from raw data. Students will learn the concepts of randomness, probability, anticipating patterns and statistical inference in addition to the proper techniques necessary to plan a study.

## NATIONAL JUNIOR RESERVE OFFICER TRAINING CORPS (NJROTC)

**EACH SEMESTER OF PARTICIPATION IN NAVAL SCIENCE A STUDENT MAY WAIVE ONE PHYSICAL EDUCATION GRADUATION REQUIREMENT.**

### NAVAL SCIENCE 1

NT895

**Yearlong** – 1 ELE Credit – Grade 9, 10, 11, 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Prerequisite:** Approval of instructor and parent permission.

**Fees:** Name Tag, NJROTC polo shirt, and t-shirt (Cost \$35).

**Course Description:** This course provides an introduction to the precepts of citizenship, the elements of leadership, and the value of scholarship in attaining life goals. The course is designed to engender a sound appreciation for the heritage and traditions of America. Included with the classroom instruction will be a weekly drill session to incorporate discipline, pride, and precision into the student's life and one day of physical fitness training.

## NAVAL SCIENCE 2

NT896

**Yearlong** – 1 ELE Credit – Grade 10, 11, 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Prerequisite:** A passing grade in Naval Science I or recommendation of the Naval Science Instructor (NSI).

**Course Description:** This course is a continuation of leadership and citizenship training with emphasis on the role of sea power in world history. The principles of navigation, astronomy, climatology and basic seamanship are introduced during this year. Leadership opportunities in academic, drill and orienteering teams, as well as the color guard, increase as the student advances knowledge and gains greater responsibility. Included with the classroom instruction will be a weekly drill session to incorporate discipline, pride, and precision into the student's life and one day of physical fitness training.

## NAVAL SCIENCE 3

NT897

**Yearlong** – 1 ELE Credit – Grades 11, 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Prerequisite:** Passing grade in Naval Science 2 or recommendation of the Naval Science Instructor (NSI).

**Course Description:** This course is a continuation of those disciplines introduced in Naval Science 1 and 2, with greater emphasis on increased leadership roles within the Cadet

Corps. Naval Knowledge studies include Naval Operations, Naval Communications, Naval Intelligence, and Naval Law. Continued study in the areas of Shipboard Organization and Watches coupled with advanced seamanship are presented during this course. Included with the classroom instruction will be a weekly drill session to incorporate discipline, pride, and precision into the student's life and one day of physical fitness training.

## NAVAL SCIENCE 4

NT898

**Yearlong** – 1 ELE Credit – Grade 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Prerequisite:** Passing grade in Naval Science 3, or approval of instructor and parent permission.

**Course Description:** This course is a continuation of advanced leadership concepts with emphasis on leadership by example. Leadership studies include: (1) Application of leadership qualities and principles, (2) Evaluation of Performance (3) Giving Instruction (4) Better and effective communication skills. This course will require the student to analyze, discuss and document various leadership scenarios and vignettes. All NS4 students will be assigned positions of responsibility in the Battalion organization, and will be expected to lead the Battalion throughout the year. Included with the classroom instruction will be a weekly drill session to incorporate discipline, pride, and precision into the student's life and one day of physical fitness training.

# PHYSICAL EDUCATION/ HEALTH/DRIVER EDUCATION

## PHYSICAL EDUCATION 1

NT890

**Yearlong** – 1.0 PE Credit – Grade 9

**Course Description:** This course is an essential component of the total educational process and school community. Students will develop a personalized plan for lifetime fitness. They will assess their personal needs, abilities, and interests while experiencing various opportunities in the area of fitness. The program will emphasize the physiological, psychological, and social benefits of a healthy, active lifestyle.

## HEALTH

NT891

**Semester** – .50 HE Credit – Grade 10

**Course Description:** This course will focus on state mandates that include personal wellness, responsible decision making, health related fitness, nutrition, stress management, mental and emotional health, human growth and development, tobacco, alcohol and other drug education, consumer health, abstinence education, STD prevention, family life education, HIV/AIDS prevention education, and the study of the American health care system.

## DRIVER EDUCATION

NT892

**Semester** – .25 ELE Credit – Grade 10, 11, 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Prerequisite:** Driver Education is available to students who are at least 15 years old, have obtained sophomore status, and have earned a passing grade in at least eight semester courses during the previous two semesters prior to enrolling.

**Fees:** Student driving permit \$20 (Secretary of State) Driver Education fee: \$275. The \$275 fee must be paid in full by the last day of registration. Those who pay after the deadline will be put on a waitlist.

**Course Description:** Driver Education is made up of two phases: classroom (minimum of 30 hours) and behind the wheel (minimum of 6 hours). Both phases must be successfully completed in order to obtain an Illinois driver's license. In order to participate in behind the wheel (BTW), students must adhere to the fee and permit deadlines mailed home in the permit packet approximately one month prior to the start date of the course. Students who do not adhere to the deadlines will be placed on a waiting list and are not guaranteed to participate in BTW. The behind-the-wheel fee will be refunded if the student does not participate. NOTE: Driver Education make-up is offered only during Summer School.

## PHYSICAL EDUCATION 3

NT893

**Yearlong** – 1.0 PE Credit – Grade 11

**Course Description:** This course continues student's efforts to examine and assess their personal needs, abilities, and interests in the area of physical fitness and wellness. Students will have an opportunity to participate in group instruction in a variety of team sports, to learn game play, strategies, and rules. Course projects may include basic scientific and applied concepts of fitness as well as regular opportunities for students to develop their health and fitness capabilities toward a healthy lifestyle.

## PHYSICAL EDUCATION 4

NT894

**Yearlong** – 1.0 PE Credit – Grade 12

**Course Description:** This course is designed to continue a personal focus for physical fitness and wellness. Students will have the opportunity to participate in a variety of sporting activities and adventures to learn and reinforce cooperative team building, outdoor sporting skills, strength training and conditioning, health and wellness, and an overall awareness of their own personal fitness levels to enhance a healthy lifestyle. Students will take part in Adventure Education activities that will support positive student self-esteem and self-efficacy, trust and team building, decision making, communication skills, and collaboration.

# SCIENCE

## BIOLOGY

NT840 – NCAA

**Yearlong** – 1 SC Credit – Grade 9

**Course Description:** This lab-oriented, project-based course will emphasize the basic concepts of Biology, scientific inquiry, scientific methodology and lab skills. Areas of study may include ecology, genetics, microbiology, and animal / plant science and how these areas relate to students and the community. Students will participate in natural science research and explore careers relating to the sciences.

## HONORS BIOLOGY

NT844 – NCAA

**Yearlong** – 1.0 SC Credit weighted – Grade 9

**Course Description:** Students can attain honors credit at the end of this course by meeting the requirements set forth at the beginning of the course. Grade weighting is applied for those students who successfully meet honors criteria. This

lab-oriented, project-based course will emphasize the basic concepts of Biology, scientific inquiry, scientific methodology and lab skills. Areas of study may include ecology, genetics, microbiology, and animal / plant science and how these areas relate to students and the community. Students will participate in natural science research and explore careers relating to the sciences.

## CHEMISTRY

SC241 - NCAA

**Yearlong** – 1.0 SC Credit – Grade 10

**Course Description:** The Illinois Science Assessment measures three fields of study: Life Science, Physical Science, and Earth and Space Science. Our current sequence limits exposure to relevant content that could help students improve their science performance, and we believe this course is more appropriate at the sophomore level (rather than the senior level). In addition, this change will support plans for increased student choice at the junior and senior levels in the future, including opportunities in the career pathway of Biomedical Science.

## HONORS CHEMISTRY

HSC241 - NCAA

**Yearlong** – 1.0 SC Credit weighted – Grade 10

**Course Description:** Students can attain honors credit at the end of this course by meeting the requirements set forth at the beginning of the course. Grade weighting is applied for those students who successfully meet honors criteria

## PHYSICS

NT842 – NCAA

**Yearlong** – 1 SC Credit – Grade 11

**Prerequisites:** Biology, Physical Science/Environmental Science

**Course Description:** This lab-oriented, project-based course will emphasize the basic concepts of mechanics, waves and sound, heat, thermodynamics, electricity, magnetism, and optics. Students will participate in science research, lab experimentation, lecture, and discussion. This course will be integrated with Math 3 / Math 3 Honors and will explore careers relating to the sciences.

## PHYSICAL SCIENCE /ENVIRONMENTAL SCIENCE

NT841 – NCAA

**Yearlong** – 1 SC Credit – Grade 12

**Prerequisite:** Biology

**Course Description:** This course emphasizes basic and advanced ecological & environmental principles. Students will approach ecology by studying levels, interactions, processes, pathways, and locations of biological systems. The primary objective of this course is to develop an interdisciplinary understanding of our natural environment, the human impact that degrades the environment, and the measures we can take to protect and restore environmental quality. The first semester of the course analyzes the biotic and abiotic factors that control the distribution and abundance of plant and animal species. The second semester provides an overview of the major causes and consequences of pollution, natural resource depletion, and loss of biological diversity. A combination of topics from Chemistry, Geology, Meteorology, and Astronomy will be integrated into this coursework.

## HONORS PHYSICAL SCIENCE /ENVIRONMENTAL SCIENCE

NT852 – NCAA

**Yearlong** – 1.0 SC Credit weighted – Grade 12

**Prerequisite:** Biology

**Course Description:** Students can attain honors credit at the end of these courses by meeting the requirements set forth at the beginning of the courses. Grade weighting is applied for those students who successfully meet honors criteria. This course emphasizes basic and advanced ecological & environmental principles. Students will approach ecology by studying levels, interactions, processes, pathways, and locations of biological systems. The primary objective of this course is to develop an interdisciplinary understanding of our natural environment, the human impact that degrades the environment, and the measures we can take to protect and restore environmental quality. The first semester of the course analyzes the biotic and abiotic factors that control the distribution and abundance of plant and animal species. The second semester provides an overview of the major causes and consequences of pollution, natural resource depletion, and loss of biological diversity. A combination of topics from Chemistry, Geology, Meteorology, and Astronomy will be integrated into this coursework.

## FORENSIC SCIENCE

NT866

**Semester Course** – .50 ELE Credit – Grade 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability. Course cannot be taken to replace a missing biology, physical science/environmental science, or physics credit.

**Course Description:** This course is the study of evidence and its use in a court of law. This course will investigate the following areas of forensic science; Fingerprinting, DNA, Toxicology, Serology, Blood Spatter, Ballistics, Forgery, Forensic Psychology, and Science in the courtroom. This course will involve all areas of science that are previously parts of the science curriculum with a concentration in Chemistry and Physics. This course will involve math skills of Math 1, Math 2, and Math 3. Strong math skills are recommended.

## ANATOMY

NT874

**Semester Course** – .50 ELE Credit – Grade 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability. Course cannot be taken to replace a missing biology, physical science/environmental science, or physics credit.

**Course Description:** This course is for those interested in science-related fields. Anatomy is a discussion and laboratory-based study of the human body. The study will range from molecules, cells, body systems and processes. Dissection of appropriate organs will compliment coursework. The course is designed for college preparation, especially for biology and health/medical career majors.

## DUAL CREDIT PHYSICAL GEOLOGY

NT885D

**Semester** – .50 ELE Credit – Grade 11 or 12

3 College Credits and High School Grade Weighting Available for Eligible Students.

See Page 11 for CLC criteria.

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability. Course cannot be taken to replace a missing biology, physical science/environmental science, or physics credit.

**Course Description:** This course is already being offered through a CLC instructor to NTZB and ZBTHS students. However, as it has traditionally been offered in the summer and is taught by a CLC instructor, it was not previously in the course guide. As the administration determines its fit within course programming, the course may become available to juniors or seniors depending on the year and subsequent programming. This course fulfills the Physical Science component of the transferable General Education Core Curriculum (GECC) package for public colleges and universities in the state of Illinois and will be taught by CLC faculty. This course is designed for those who wish to explore an interest in geology, major in geology, or satisfy lab science requirements. Topics include igneous rocks and volcanism, 4 sedimentary rocks and stratigraphy, metamorphic rocks and metamorphism, weathering, mass wasting, streams, deserts and glaciers. Lab studies concentrate on minerals, rocks and topographic maps.

# VISUAL AND PERFORMING ARTS

Beginning with the Class of 2026, NT@ZBE students will have access to select Band and Choir courses offered at ZBTHS. Course placement will be determined by enrollment each school year.

## DUAL CREDIT INTRODUCTION TO ART

NT870D

**Semester** – .50 ELE Credit – Grade 11 or 12

3 College Credits and High School Grade Weighting Available for Eligible Students.

See Page 11 for CLC criteria.

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Course Description:** This course introduces students to an appreciation of the visual arts through an intercultural, social/historical approach. The course will also emphasize the nature of the creative process, integrating a study of the conceptual principles, with methods and materials which influence artistic critical thinking, problem solving,

exploration, and discovery. Note: A museum visit will be required during the semester at student expense. See course syllabus for approximate cost.

## DUAL CREDIT INTRODUCTION TO THEATRE

NT884D

**Semester** – .50 ELE Credit – Grade 11 or 12

3 College Credits and High School Grade Weighting Available for Eligible Students.

See Page 11 for CLC criteria.

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Course Description:** This course presents a broad overview of live theatre. It will cover the various elements that make up theatre, the history of theatre, the theatre of the present, and the practitioners involved in the production of live theatre. Work on college productions is required as well as field trip experiences, which will be provided through New Tech High @ Zion-Benton East.

# WORLD LANGUAGES

## SPANISH 1

NT850 – NCAA

**Yearlong**– 1 ELE Credit – Grades 9, 10, 11, 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Prerequisite:** The student should be reading at or above grade level. This course is for students beginning their study of the Spanish language. It is NOT intended for students who communicate with their family in Spanish. Este curso es para estudiantes que no hablan español en su casa; es un curso principiante del idioma español..

**Course Description:** This is an introductory course in Spanish that develops the skills of listening, speaking, reading, and writing. Emphasis is on speaking and listening using the communicative approach to teaching. Students have the opportunity to speak and hear Spanish in class on a daily basis as they interact with classmates and the teacher. Course content will be presented through a variety of materials in the target language. Culture is an integral part of this course. Regular homework can be expected.

## SPANISH 2

NT851 – NCAA

**Yearlong** – 1 ELE Credit – Grades 10, 11, 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Prerequisite:** Spanish 1 and teacher recommendation.

**Course Description:** In this course students continue their study of the Spanish language and of the target language culture. Emphasis is on speaking and listening using the communicative approach to teaching. Students have the opportunity to speak and hear Spanish in class on a daily basis as they interact with classmates and the teacher. Course content will be presented through a variety of materials in the target language. Culture is an integral part of this course. This program provides students with the tools and the confidence to express themselves in Spanish. Regular homework can be expected.

## HERITAGE SPEAKERS, LEVEL 1

NT853 – NCAA

**Yearlong** – 1 ELE Credit – Grades 9, 10, 11, 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Prerequisite:** Students comprehend spoken Spanish and desire to develop their language skills in Spanish. **An oral placement test is required to determine academic level.**

**Course Description:** Heritage Speakers provides tools for deeper understanding of the Spanish language. Spanish is one of the top global languages. Students will study various Spanish-speaking countries and peoples to better understand their diverse cultures and idioms. Students will also begin to describe themselves and their daily routine, family and friends, and personal preferences. They will learn to speak, listen, read, and write Spanish with their classmates through

paired practice, small group work, and role plays. By the end of this course, students will have been introduced to skills, knowledge, and attitudes that will help them live thoroughly and work productively in an increasingly Spanish speaking global society.

### ESPAÑOL de HERENCIA HISPANA, NIVEL 1

NT853 – NCAA

**Todo el año** – 1 Crédito – Electivo - Grado 9, 10, 11, 12

**Optativa:** Las ofertas de optativas están sujetas a suficiente inscripción y disponibilidad de instructores.

**Prerequisitos:** Los estudiantes comprenden el español hablado y desean desarrollar sus habilidades en español. **Se hace una prueba de aptitud oralmente para determinar colocación de nivel.**

**Descripción del curso:** La clase español de herencia hispana provee unidades temáticas y utensilios para obtener un aprendizaje profundo del idioma español. El idioma español es una de las lenguas más hablada globalmente. Los estudiantes estudiarán varios países y gente hispanohablantes para mejor entender sus diversas culturas y modismos. Los alumnos, también, describirán ellos mismos y sus vidas cotidianas, sus familias y amigos; sus preferencias propios. Los estudiantes aprenderán cómo hablar español más claro, distinguir dialectos junto con sus modismos y escribir mejor en español. Se utilizará grupos pequeños y compañeros para realizar tareas y proyectos. Al final del curso; habilidades, conocimiento y actitudes se han sido introducidos a los estudiantes para ayudarles vivir profundamente y trabajar productivamente en una sociedad global hispanohablante.

### HERITAGE SPEAKERS, LEVEL 2

NT854 – NCAA

**Yearlong** – 1 ELE Credit – Grade 9, 10, 11, 12

**Elective:** Elective offerings are subject to sufficient enrollment and instructor availability.

**Prerequisite:** Fluent Spanish speaking and comprehension skills with moderate reading and writing skills. An oral and written placement test or instructor's permission.

**Course Description:** This course is designed for those students who are able to speak and understand Spanish comfortably but need to further develop their reading and writing skills. An emphasis will be placed on learning correct grammar and proper writing skills while continuing the development of overall language fluency. Reading comprehension will be emphasized through extensive reading activities.

### ESPAÑOL de HERENCIA HISPANA, NIVEL 2

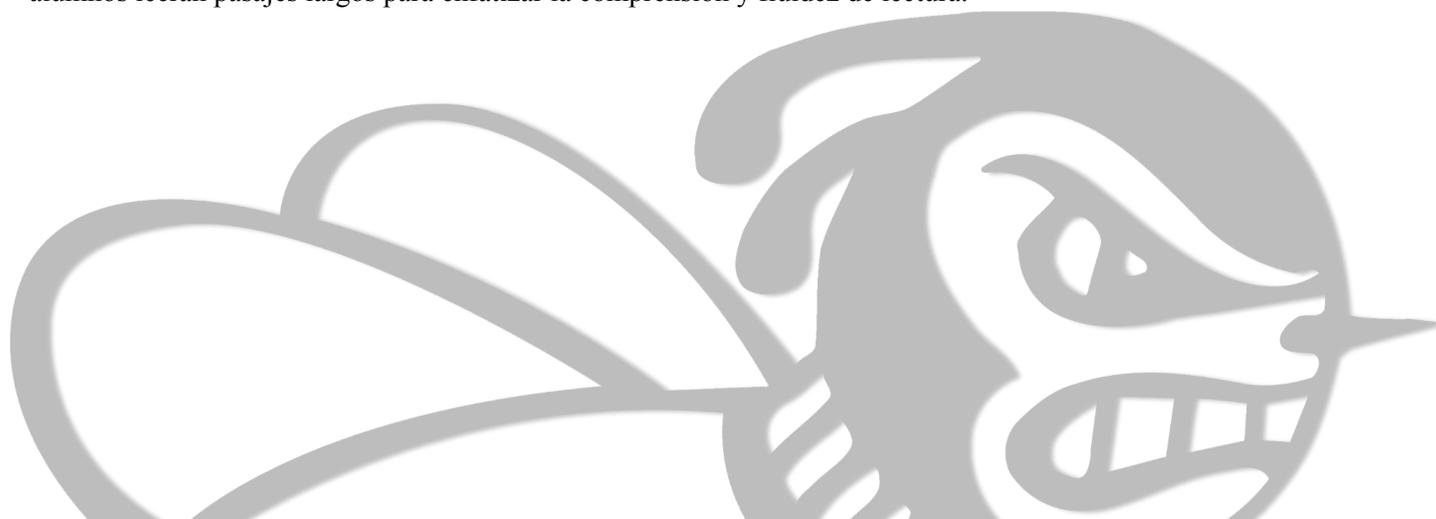
NT854 – NCAA

**Todo el año** – 1 Crédito - Electivo – Grado 9, 10, 11, 12

**Optativa:** Las ofertas de optativas están sujetas a suficiente inscripción y disponibilidad de instructores.

**Prerequisitos:** Hablar y entender el español con fluidez. Tener conocimiento en la lectura y escritura. Una evaluación oral para determinar el nivel de aptitud o permiso previo del /a instructor/a.

**Descripción del curso:** Este curso está diseñado para aquellos estudiantes que hablan y entienden el español moderadamente pero necesitan desarrollarlo más, especialmente la lectura y escritura. Se pondrá un énfasis en aprender la manera correcta de escribir el lenguaje, incluyendo la gramática. Se continuará el desarrollo total del idioma. Los alumnos leerán pasajes largos para enfatizar la comprensión y fluidez de lectura.



# LAKE COUNTY TECH CAMPUS

The Lake County Tech Campus is an extension of the 22 high schools in Lake and McHenry counties and enjoys a strong partnership with the College of Lake County, offering many dual credit courses.

Training at the Tech Campus is “hands on”. Students gain skills by actually doing the work. Projects belong to real customers and the quality of students’ work is measured against industry standards. Student-oriented enterprises in Cosmetology, Automotive Service, Collision Repair and other programs provide real-world training that can lead directly to employment.

Learning at the Tech Campus is individualized. Students applying should be able to demonstrate 10th grade reading and math readiness. Students identify their career goals and receive guidance and instruction from their instructor as to how to reach those goals. The instructor is guided by current business and industry practices.

The Tech Campus strives to be a “School of Opportunity” offering excellence in teaching, technology, and partnerships. All classes and fees are subject to change.

Bukunmi Adeloye, LCTC Coordinator  
847-731-9344 - AdeloyeB@zbths.org

<b>GAME PROGRAMMING AND VIRTUALIZATION</b>	TC679
<b>3D GAMING AND CYBERSECURITY</b>	TC697
<b>MULTIMEDIA DESIGN</b>	TC663/6632
<b>COMPUTER SUPPORT SERVICES</b>	TC680/6801
<b>COSMETOLOGY</b>	TC657/6572
<b>CULINARY ARTS</b>	TC656/6562
<b>EARLY EDUCATION AND TEACHING</b>	TC655/6551
<b>CRIMINAL JUSTICE</b>	TC 690
<b>LAW ENFORCEMENT AND CRIME SCENE INVESTIGATION</b>	TC6901
<b>FIREFIGHTING</b>	TC686
<b>EMERGENCY MEDICAL SERVICES</b>	TC651
<b>BIOMEDICAL SCIENCE I</b>	TC640
<b>BIOMEDICAL SCIENCE II</b>	TC642
<b>MEDICAL ASSISTING</b>	TC564
<b>CERTIFIED NURSE ASSISTING</b>	TC653
<b>AUTOMOTIVE COLLISION REPAIR</b>	TC659/6591
<b>AUTOMOTIVE SERVICE</b>	TC670/6702
<b>MACHINING TECHNOLOGY</b>	TC658
<b>ROBOTICS AND AUTOMATION</b>	TC696
<b>LASER TECHNOLOGY</b>	TC691
<b>WELDING &amp; FABRICATION</b>	TC667/6671
<b>CONSTRUCTION SKILLS &amp; MANAGEMENT</b>	TC682/6822

# CAREER CLUSTERS

Opportunities after high school are endless for those who prepare well. Students who plan their high school years wisely and take advantage of the learning opportunities extended to them during high school are better able to determine their college and career pursuits with confidence. In addition, those students who apply themselves in high school by taking and completing challenging courses position themselves well to take advantage of a variety of college and career opportunities upon graduation.

All New Tech students benefit from a rigorous, college preparatory curriculum that requires four years of English, Math, Social Science, and Science; two years of Spanish; and a variety of state required and elective courses that position students well for whatever field or post high school experience they choose. Students who qualify for and participate in New Tech's dual credit program, in partnership with the College of Lake County, are positioned particularly well given their opportunity to graduate from high school with up to 24 college credits. In addition, the infusion of 21st Century skills as core competencies within the New Tech model provide students the skills business, industry, the military, and higher education desire.

The following pages provide students with a better understanding of the various careers that are available today. Careers are listed by "cluster" so that students may explore a wide range of options associated with their interests. Information regarding various associated college majors and programs is also included.

## Career Cluster Page

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, Audio Visual Technology & Communication
- Business, Management, Marketing & Finance
- Education & Training
- Health Science
- Hospitality
- Human Services
- Information Technology
- Law & Public Safety
- Manufacturing
- Science, Technology, Engineering & Mathematics
- Service Technologies

## CAREER CLUSTER: Agriculture, Food & Natural Resources

<b>Careers</b>	Animal Caretaker Agricultural Educator Botanist Ecologist Farm Manager Fish & Game Officer Meat Science Researcher Horticulture Landscape Architect & Design Landscape Maintenance Floral Design Natural Areas Manager Physiologist Producer Buyer Recycling Technician Wildlife Biologist Veterinarian Veterinarian Assistant
<b>4 year college majors</b>	Animal Health Agricultural Education Services Animal Nutrition Animal Training Landscape Architect & Design Botanist Horticulture Wildlife Biologist Veterinarian
<b>CLC Programs</b>	Horticulture Sustainable Agriculture Landscape Design Landscape Maintenance Floral Design Arboriculture Natural Areas Management Veterinarian Technician
<b>Tech Campus Pathways</b>	Culinary Arts

## CAREER CLUSTER: Agriculture, Food & Natural Resources

<b>Careers</b>	Animal Caretaker Agricultural Educator Botanist Ecologist Farm Manager Fish & Game Officer	Meat Science Researcher Horticulture Landscape Architect & Design Landscape Maintenance Floral Design Natural Areas Manager	Physiologist Producer Buyer Recycling Technician Wildlife Biologist Veterinarian Veterinarian Assistant
<b>4 year college majors</b>	Animal Health Agricultural Education Services Animal Nutrition Animal Training	Landscape Architect & Design Botanist Horticulture Wildlife Biologist Veterinarian	
<b>CLC Programs</b>	Horticulture Sustainable Agriculture Landscape Design Landscape Maintenance	Floral Design Arboriculture Natural Areas Management Veterinarian Technician	
<b>Tech Campus Pathways</b>	Culinary Arts		

## CAREER CLUSTER: Architecture & Construction

<b>Careers</b>	Architect Builder Carpenter Civil Engineer Construction Contractor Foreman/Manager Demolition Engineer Drafter Drywaller Electrician Electrical Systems Tech Equipment Material Manager HVAC Mechanic Plumber Project Inspector Roofer Sheet Metal Worker Tile Setter
<b>4 year College Majors</b>	Architecture/Building Sciences Architectural Drafting Architectural Engineering Architectural History/Critic Architectural Tech Architect Building Construction Building Management Civil Engineering Construction Management Drafting/Design Tech Energy Management Landscape Architecture Mechanical Drafting
<b>CLC Programs</b>	Architectural Tech CAD Drafting Tech Civil Engineering Tech Construction Management Tech Electrical Engineering Tech HVAC Tech Welding
<b>Tech Campus Pathways</b>	Construction Skills & Management Computer Integrated Manufacturing & Civil Engineering & Architecture Welding & Fabrication Engineering Technology

## CAREER CLUSTER: Arts, Audio Visual Technology & Communication

<b>Careers</b>	Acting Art Director Artist Audio Video Operator Broadcast Technician Computer Animator	Editor Fashion Designer Furnishing Coordinator Interior Design Journalist Musician	Publisher Producer Radio & Television Announcer Reporter Researcher Writer
<b>4 year college majors</b>	Acting Applied Arts Cinematography Creative Writing Commercial Photography Fashion/Apparel Design Film/Cinema/Video Studies Graphic Design	Illustration Journalism Interior Design Music Music Technology Publishing Photographic & Film	Radio & Television Radio, Television & Digital Communication Speech Communications Technical & Business Writing Theater Visual Performing Arts Video Technology
<b>CLC Programs</b>	English Journalism Art Theater	Music Digital Media & Design Digital A/V Production & Editing Technical Communication	
<b>Tech Campus Pathways</b>	Multimedia Design		

## CAREER CLUSTER: Business, Management, Marketing & Finance

<b>Careers</b>	Actuary Administrative Assistant Advertising Sales Auditor Business Consultant Certified Public Accountant	Corporate Trainer Economist Logistics/Supply Chain Manager Entrepreneur Finance Director Human Resources Manager Marketing Analyst	Office Manager Personnel Recruiter Public Relations Manager Sales Representative Wholesale/Retail Buyer
<b>4 year College Majors</b>	Actuarial Science Accounting Advertising Arts Management Business Administration Entrepreneurship	Human Resources Finance International Business Marketing Public Relations & Communication	Purchasing/Procurement Logistics/Supply Chain Management Info Systems Operations Management Organizational Behavior Organizational Leadership
<b>CLC Programs</b>	Accounting Administrative Office Systems Supervision	Small Business Management Sales Marketing	
<b>Tech Campus Pathways</b>	Multimedia Design		

## CAREER CLUSTER: Education & Training

<b>Careers</b>	Administrator Child Care Worker Coach College/University Faculty Counselor Curriculum Director Elementary Teacher Middle School Teacher High School Teacher Principal Special Education Teacher Librarian Paraprofessional Educator
<b>4 year college majors</b>	Education Early Childhood Education Educational Administration Elementary Education Coaching Kindergarten/Preschool Education School Library Specialist/Science Special Education Teaching Secondary Education
<b>CLC Programs</b>	Early Childhood Education Paraprofessional Education Human Services Library Technical Assistant
<b>Tech Campus Pathways</b>	Early Education and Teaching

## CAREER CLUSTER: Health Science

<b>Careers</b>	Athletic Trainer Biostatistician Dental Assist./Hygienist EMT/Paramedic Health Administrator Geneticist	Health Information Coder Laboratory Technician Nutritionist/Dietician Occupational Therapist Optometrist Research Scientist	Phlebotomist Physician Physician's Assistant Radiographer Physical Therapist Registered Nurse
<b>4 year college majors</b>	Athletic Training Audiology Bioethics Biotechnology Clinical Nutrition/ Dietetics Clinical Lab Science	Cognitive Psychology Genetic Counseling Health Administration Hospital/Care Admin. Kinesiology/Movement Science	Nursing Occupational Therapy Pharmaceutical Science Public Health Physical Therapy
<b>CLC Programs</b>	Nursing Phlebotomy Technician Surgical Technician Dental Hygiene	Emergency Medical Technician Personal Training. Health Information Technician Pharmaceutical Technician	Wellness Coach Medical Imaging Medical Assisting Massage Therapy
<b>Tech Campus Pathways</b>	Medical Assisting Certified Nurse Assistant	Emergency Medical Services	Biomedical Science

## CAREER CLUSTER: Hospitality

<b>Careers</b>	Baker Caterer Concierge Convention Services Manager	Event Planner Executive Chef Facilities Manager Hotel Management	Restaurant Owner/Manager Tour & Travel Guide Travel Agent
<b>4 year college majors</b>	Facilities Planning & Management Natural Resources Recreation & Tourism Hospitality & Culinary Management Culinary Arts		
<b>CLC Programs</b>	Hospitality & Culinary Management Baking and Pastry Assistant Professional Cook	Professional Chef Hospitality Supervisor Hospitality Manager	
<b>Tech Campus Pathways</b>	Culinary Arts		

## CAREER CLUSTER: Human Services

<b>Careers</b>	Community Service Director Cosmetologist Director of Child Care Facility	Emergency Relief Worker Massage Therapy Personal Fitness Trainer Licensed Professional Counselor	School Counselor/ Psychologist Social Worker
<b>4 year college majors</b>	Child Development Family & Community Services Family & Consumer Sciences Mental Health Counseling Social Work		Psychologist Sociology Athletic Trainer Wellness
<b>CLC Programs</b>	Social Work Children Adolescents Adult Services Massage Therapy		Alcohol, Substance Abuse & Addictive Disorders Correctional Counseling Trauma, Prevention and Victim Services
<b>Tech Campus Pathways</b>	Cosmetology Early Education and Teaching		

## CAREER CLUSTER: Information Technology

<b>Careers</b>	Animator Database Administrator Data Systems Design Game Developer IT Engineer Computer Forensics	Media Specialist Network Administrator Network Security Analyst Telecommunications Network Tech	PC Support Specialist Programmer Software Application Specialist Systems Administrator Web Architect/Designer
<b>4 year College Majors</b>	Computer Forensics Artificial Intelligence Computer Info Systems Computer Engineering Computer Programming		Computer Science Computer Software Applications Digital Arts Game/Interactive Media Design Information Technology
<b>CLC Programs</b>	Digital Media Web Programmer Computer Forensics Network Administration Security Administration		Office Application Specialist Desktop Support Tech C++ Programming Game Development Cisco Networking
<b>Tech Campus Pathways</b>	Game Programming and Virtualization Computer Support Services Multimedia Design		Robotics and Automation 3D Gaming and Cybersecurity

## CAREER CLUSTER: Law & Public Safety

<b>Careers</b>	Corporate Security Manager Firefighter Lawyer Corrections Officer Hazardous Materials Responder	Paralegal Court Reporter Homeland Security Park Ranger Detective	Immigration Officer Police Officer Emergency Medical Technician Judge Probation/Parole Officer
<b>4 year college majors</b>	Corrections Criminal Justice Criminology Cyber/Computer Forensics Energy, Environment, & Natural Resource Law	Fire Science Fire Service Administration Forensic Science and Technology Health Law Homeland Security Law	
<b>CLC Programs</b>	Criminal Justice Paralegal Studies Emergency Medical Technician Fire Science Technician	Administrative Leadership Office Professional Correctional Counseling Trauma/Victim Services	
<b>Tech Campus Pathways</b>	Criminal Justice Law Enforcement and Crime Scene Investigation Emergency Medical Services	Firefighting Medical Assisting	

## CAREER CLUSTER: Manufacturing

<b>Careers</b>	CNC Operator Health & Safety Rep Manufacturing Technician Design Engineer Industrial Machinery Mechanic	Mechanic Production Manager Environmental Engineer Inspector Quality Control Technician	Foundry Worker Labor Relations Manager Safety Engineer Freight, Stock, Material Mover Machinist Welder
<b>4 year college majors</b>	Apparel & Textiles Design Computer Engineering Tech Engineering Industrial Technology	Laser & Optical Technology Manufacturing Engineering Mechanical Engineering Metallurgical Technology Nuclear Power Technology	Occupational Safety & Technology Plastics & Polymer Engineering Robotics Technology Industrial Engineer
<b>CLC Programs</b>	Business Administration Mechanical Engineering Technology Welding Construction Management Technician		CNC Programming CAD Drafting Technician Electrical Engineer Technician
<b>Tech Campus Pathways</b>	Computer Integrated Manufacturing & Civil Engineering & Architecture Construction Skills & Management Welding & Fabrication		Engineering Technology Laser Technology

## CAREER CLUSTER: Science, Technology, Engineering & Mathematics

<b>Careers</b>	Actuary Geneticist Photonics Tech Anthropologist Electrical Engineer	Physicist Archeologist Math/Science Teacher Statistician	Astronomer Mechanical Engineer Chemist Meteorologist
<b>4 year college majors</b>	Actuarial Science Astronomy Behavioral Sciences Biology Chemical Engineering Engineering Ecology	Marine Biology Mathematics Robotics Pharmacology Physics Radiation Biology Botany	Genetics Geological & Earth Sciences Nanotechnology Natural Sciences Nutrition Sciences Oceanography
<b>CLC Programs</b>	Chemistry Biology Physics Mathematics Engineering Photonics		Mechanical Engineering Wireless Networking Security Fiber Optics Technician Nanoscience
<b>Tech Campus Pathways</b>	Laser Technology Computer Integrated Manufacturing & Civil Engineering and Architecture Engineering Technology		



# **Zion-Benton Township High School District 126**

## **Board of Education**

Jerry Nordstrom, President  
Jorge Nieto, Vice President  
Patricia Stephen, Secretary  
William King, Member  
Kathy Champine, Member  
Christopher Benitez, Member  
Shawn White, Member

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Web Page: [www.ntzb.org](http://www.ntzb.org)