

North Bay Haven Charter Academy



High School Course Catalog

North Bay Haven Charter Academy ***School Information***

Mascot: Buccaneers

School Colors: Carolina Blue, Black, Gray, White

School Address: One Buccaneer Drive, Panama City, FL 32401

School Phone: 850-248-0801

School Website: www.bayhaven.org

School Administration/ Guidance Counselors and Contact Info

Principal K-12- Mike McLaughlin- mclaum@bayhaven.org

Assistant HS Principal/AD- Cas Gant- gantc@bayhaven.org

Middle School Assistant Principal- Nakia Morris- morrinm@bayhaven.org

Middle School Assistant Principal- Crystal Woodford-woodfca@bayhaven.org

Elementary School Assistant Principal- Misti Gibbens- gibbeml@bayhaven.org

Athletic Director- Andy Siegal- coach.siegal@bayhaven.org

Guidance Counselor- Kara Williams-williks1@bayhaven.org

Guidance Counselor- Chelsea Gibson- gibsocs@bayhaven.org

Guidance Counselor- Debbie Vierra- vieradj@bayhaven.org

Guidance Counselor- Heather Bastedobasteh@bayhaven.org

North Bay Haven Charter Academy

Course Catalogue

Table of Contents

NBH Vision and Mission	4
Technology Expectations	5
Parental Involvement	6
SAIL Program	7
<u>Program Offerings</u>	
<i>Advanced Placement and AP Capstone Program and Courses</i>	8-12
<i>Dual Enrollment Program and Courses</i>	13-15
<u>Career Academies</u>	16
<i>Business Academy</i>	17
<i>Criminal Justice Academy</i>	18
<i>Cybersecurity Academy</i>	19-20
<i>Culinary Arts Academy</i>	21
<i>Digital Design Academy</i>	22
<i>Engineering Academy</i>	23
<i>Health and Medical Academy</i>	24
<i>Marine Biology Academy</i>	25
<i>US Naval Sea Cadet and Aerospace Technology Academy</i>	26
NBHCA 4x4 Block Schedule and Grading Scale	27
NBHCA Graduation Requirements	28
Bright Futures Scholarship Eligibility	29
NBHCA Core Course Offerings and Course Descriptions	30-46
NBHCA Extra-Curricular Offerings and Programs	47
Glossary of Terms	48

North Bay Haven Charter Academy *Vision Statement*

High Expectations/High Achievement

North Bay Haven Charter Academy *Mission Statement*

As a Community School of "choice" for teachers, parents & students our mission is to strive together to teach beyond the standards in order to meet each child's needs through motivating students to reach their unique potential.

Our Focus

We believe:

1. Learning is a life-long process.
2. Environment affects learning.
3. Every Person can learn and achieve success.
4. Self-esteem is fundamental to individual fulfillment.
5. Education is both a privilege and a responsibility.
6. Every individual is entitled to equal opportunity.
7. Literacy and knowledge are fundamental to a free society.
8. Public education is a team effort including the home, school and community.
9. Every child is unique.
10. Children are the future.
11. Education can influence change to achieve progress.

North Bay Haven Charter Academy ***21st Century Technology Skills***

NBHCA HS is a 1:1 school in which all students are required to have a Chromebook Touch. Our students will collaboratively work with their teachers and peers using their Chromebooks and our on-line platform, CANVAS, to do a lot of their school work. Most of our students' techbooks are on their Chromebooks.

A technologically rich learning environment provides the North Bay Haven students with necessary 21st century skills, which allow them to thrive as productive citizens and to stay competitive at a global level. As part of a standards based curriculum the process of education emphasizes creativity, communication, and innovation.

All classrooms have the most up-to date technology from Smart-Boards to on-line apps and platforms preparing our students for the relevance and rigors of benign college and career ready. Our Computer Science Academies, Green-Screen Studio, and STEM related courses remain current with the best technologies available for our students.

North Bay Haven Charter Academy

Parental Involvement

The mission of North Bay Haven Charter High School requires the support of all stakeholders. We believe our students are successful only when students, teachers and parents are working together for one common goal- the success of your child! Our parents are welcomed partners in your child's academic career with us. Parental involvement is a requirement that involves all parents contributing 20 hours of volunteer time per school year to support student activities and teachers. There are many ways that our high school parents have been involved to serve their 20 hours. Some of these are school wide service and some are specific to grade levels, clubs or athletics.

School Wide Organizations:

- Parent-Teacher-Student Partnership (PTSP) participation
- School Advisory Council participation
- Serving in the Copy Center
- Serving school lunch to students

Class, Club and Athletics:

- Athletic Boosters participation
- Parent Advisory Councils (serving grade level students)
- Fundraising for class trips and events
- Tutoring students
- Project Graduation

Serving the students during school hours provides our parents with a unique insight into the life of our students at North Bay Haven. We have a small community feel on our campus and the parents are very much a part of that community. We also strongly feel that when parents are working with our teachers, together your child will be successful. We need you parents!

I understand that NBHCA is an academically challenging school. Parents of students at NBHCA agree to:

1. Value attendance and have your child at school on time every day
2. Understand that your child will have homework, will have to study and prepare for tests, will have occasional projects that are not optional, will receive consequences for late work or unexcused absences, will not be allowed to retake tests, and that when a child struggles there are avenues to assist, such as the construction of a PLP (Personalized Learning Plan) between the parent-child-teacher. This responsibility is shared between all three (teacher-student and parent) and does not solely fall on the responsibility of the classroom teacher.
3. Always support the teacher and school decision.

4. Help maintain the positive school culture by not complaining (especially on social media)- rather, work with the teacher and admin to resolve a problem or issue.
5. Communicate with my child's teacher when a question or concern arises before going to administration.
6. Fulfill my 20 hours of volunteer hours at a minimum with the understanding that we "want" parents at our school!
7. Assist in teaching the 25 Student Expectations
8. Stay aware of what is going on by reading weekly e-blasts and by looking at the school calendar and webpage frequently.
9. I understand we have dues at the school and I must pay them
10. Understand that we are a uniform school and that if my child does not have on his/her uniform I will be called to bring a change of clothing for my child.
11. I know NBH HS is a 1 to 1 technology school- therefore it is my responsibility to provide my child a Chromebook touch (see school website for details).

NBHCA SAIL Academic Program

What is S.A.I.L?

NBHCA Highest Academic Program

**Studies in Advanced and
Innovative Learning**



This is our advanced academic student program. Our goal is to provide students with engaging, relevant and rigorous courses that will take these students beyond the traditional high school offerings and into college level courses.

SAIL Entrance Criteria

1. Must be enrolled at NBH through lottery
2. Must have a 3.0 GPA
3. Score of Level 3 or higher on FSA Reading
4. Must take two or more Honors, Dual Enrollment or AP courses per year

Students in our SAIL program will take rigorous coursework in AP, HONORS and dual enrollment starting his/her freshman year. After planning your high school courses with your guidance counselor, you are on your way preparing yourself for your career and/or college after high school. SAIL students also enjoy various academic field trips/ travel opportunities (Recent Trips to: Washington DC, Philadelphia, New York City, Costa Rica, Spain,) social events at school and locally, and plenty of opportunity to serve others.

In the Fall of each school year, candidates apply. A formal event and ceremony is held for those accepted into SAIL.

North Bay Haven Charter Academy Program Offerings

AP[®] Capstone High Academic Program



What is AP[®] or Advanced Placement?

AP is a program in the United States and Canada created by the College Board which offers college-level curricula and examinations to high school students. American colleges and universities may grant placement and course credit to students who obtain high scores on the examinations. The AP curriculum for each of the various subjects is created for the College Board by a panel of experts and college-level educators in that field of study. For a high school course to have the designation, the course must be audited by the College

Board to ascertain that it satisfies the AP curriculum. If the course is approved, the school may use the AP designation and the course will be publicly listed on the AP Course Ledger

Most four-year colleges in the United States and colleges in more than 60 other countries give students credit, advanced placement or both on the basis of AP Exam scores. By entering college with AP credits, you'll have the time to move into upper level courses, pursue a double-major or study abroad.

- Eighty-five percent of selective colleges and universities report that a student's AP experience favorably impacts admission decisions.
- Research shows that students who take AP are much more likely than their peers to complete a college degree on time.
- AP courses give students access to rigorous college-level work. AP students build confidence and learn the essential time management and study skills needed for college and career success. (Source: www.collegeboard.org)

Students that take AP[®] courses are required to take the AP[®] exam in May. There will be required summer reading for all English and Social Science courses in the AP[®] program. Students will have extensive writing assignments, a lot of reading during the school year, and more homework than regular courses. This is to prepare students for the rigors of the AP[®] exams they will take in May.

Students do not automatically qualify for AP[®]. Students must also have the additional requirements for each course. Teachers will counsel students in the course they are prepared to take when we present student request forms in February. Adjustments may be made in the summer after state test scores are returned and course grades are finalized.

AP Capstone Diploma School

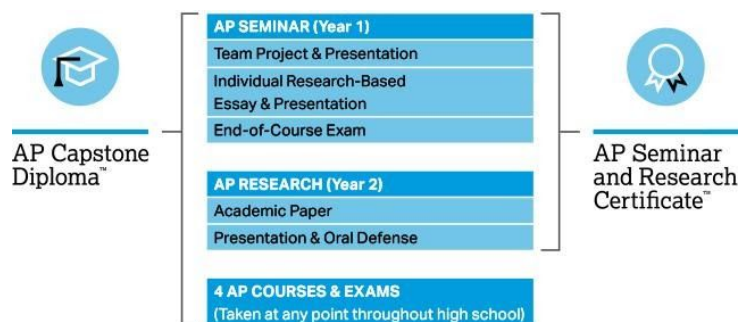


What is AP Capstone?

AP Capstone[™] is a College Board program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. It cultivates curious, independent, and collaborative scholars and prepares them to make logical, evidence-based decisions.

AP Capstone is comprised of two AP courses — **AP Seminar** and **AP Research**— and is designed to complement and enhance the discipline-specific study in other AP courses. Participating schools can use the AP Capstone program to provide unique research opportunities for current AP students, or to expand access to AP by encouraging students to master the argument-based writing skills that the AP Capstone program develops.

Students typically take AP Seminar in grade 10 or 11, followed by AP Research. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma[™]. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate[™].



North Bay Haven Charter Academy Program Offerings



AP Courses available at NBHCA

AP Capstone Courses

1700500 AP CAPSTONE SEMINAR GRADE LEVEL: 11-12
 A foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using and inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentation, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

1700510 AP CAPSTONE RESEARCH GRADE LEVEL: 12

This is the second course in the AP Capstone experience and it allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they future the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance exhibit, or product where applicable) and a presentation with an oral defense.

0104300 AP DRAWING GRADE LEVEL: 9-12

The AP Art History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the students develop in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history. College Course Equivalent AP Art History is the equivalent of a two-semester introductory college or university art history survey course. Prerequisites There are no prerequisite courses for AP Art History.

0200335 AP Computer Science Principles GRADE LEVEL: 9-12

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

0200320 AP Computer Science A GRADE LEVEL: 9-12

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

AP 2D Art and Design GRADE LEVEL: 9-12

AP 2-D Art and Design is an introductory college-level two-dimensional design course. Students refine and apply skills and ideas they develop throughout the course to produce two-dimensional art and design.

AP 3D Art and Design GRADE LEVEL 9-12

AP 3-D Art and Design is an introductory college-level three-dimensional design course. Students refine and apply skills and ideas they develop throughout the course to produce three-dimensional art and design.

0100300 AP ART HISTORY GRADE LEVEL 9-12

AP Art History is an introductory college-level art history course. Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis.

1300330 AP MUSIC THEORY GRADE LEVEL: 9-12

The AP Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory coursework that covers topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize,

understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized.

1001420 AP® LANGUAGE AND COMPOSITION GRADE LEVEL: 11-12

The course focuses on the development and revision of evidence-based analytic and argumentative writing and the rhetorical analysis of nonfiction texts. Students who achieve certain scores on a national exam may receive college credit for this course.

1001430 AP® ENGLISH LITERATURE GRADE LEVEL: 11-12

Students learn to analyze and interpret imaginative literature through the careful reading and critical analysis of representative works from various genres and periods. Students who achieve certain scores on a national exam may receive college credit for this course.

2000340 AP® Biology GRADE LEVEL: 10-12
2000440 Genetics Honors

Prerequisite: None- This pair of courses will follow a sequence of Fall: Genetics Honors and Spring: AP Biology. The AP Biology exam is in May. AP Biology is an in-depth study of the life sciences, in particular, organic chemistry, microbiology, cytology, genetics, biogenetics, evolution, comparative anatomy, zoology, botany, human biology, ecology and its effect on biodiversity. Emphasis is investigation, analysis and critical thinking of content through labs, research, media, and various established organizations. Honors Genetics will allow students to extend the Mendelian and Molecular Genetics units to maximize their performance of these two AP Biology units and to conduct lengthy lab experiments. The goal of the course is to both prepare students for college studies in natural sciences and obtain a qualifying score on the AP exam in early May. This course has extensive labs and a lab fee of \$20.

2001380 AP® ENVIRONMENTAL SCIENCE
2001341 ENVIRONMENTAL SCIENCE HONORS GRADE LEVEL: 10-12

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

2003370 AP® CHEMISTRY
2003360 CHEMISTRY 2 HONORS GRADE LEVEL: 11-12

The AP Chemistry course is designed to be taken only after the successful completion of a first course in high school chemistry. Students will take a semester of Chemistry 2 Honors in the fall and then a semester of AP Chemistry in the spring. This course is designed to be the equivalent of the general chemistry course usually taken during the first college year.

2100330 AP® UNITED STATES HISTORY GRADE LEVEL: 10-11

The course is an introductory college class in U.S. history from the first European explorations of the Americas to the present. Students will take a national exam in May to determine college credit.

2109420 AP® WORLD HISTORY GRADE LEVEL: 11

Course content is structured around the investigation of five course themes and 19 key concepts in six different chronological periods, from approximately 8000 B.C.E. to the present and develops students' capacity and ability to think and reason in a deeper, more systematic way, better preparing them for subsequent college courses. Required for graduation (may take Regular, Honors, or AP).

2103400 AP® HUMAN GEOGRAPHY Grade Level: 9-12

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and

its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

2107350 AP® PSYCHOLOGY GRADE LEVEL: 11-12
This course is a study of the general field of psychology and is designed to provide an understanding of human behavior by studying the adaptation of the individual to the physical and social environment. Elective.

2102460 AP® US GOVERNMENT AND POLITICS GRADE LEVEL: 12
This course is an introductory college class that provides a comprehensive examination of the theory, practice, ideals, and realities of government and politics in the United States. Major areas of study include behavior and participation, the legislative process, the presidency, the judicial process, and the administrative state.

2102370 AP MACROECONOMICS GRADE LEVEL: 12
AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

Note: Most AP courses have prerequisites, mandatory summer work, and in some cases fees. Talk to your guidance counselor for details.

Other AP Courses offered on-line virtually in our media center through Florida Virtual.

AP Calculus A/B, AP Calculus B/C, AP Statistics, AP Computer Principles, AP Computer Science A, AP Physics 1, AP Physics 2, AP Physics C (Electricity and Magnetism), AP Physics C (Mechanics), AP Art History, AP 2D Art & Design, AP 3D Art & Design, AP European History, AP Microeconomics, AP Spanish, AP Latin, AP Chinese, AP French, AP German, AP Italian, AP Japanese.

Dual Enrollment at NBHCA



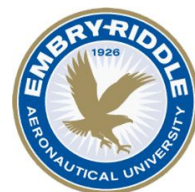
What is Dual Enrollment?

The dual enrollment program allows high school students to earn college credit for select courses through an articulation agreement with Gulf Coast State College, Florida State University, and Embry Riddle University. The program was developed to allow students to begin working on their college degree earlier in their academic careers and thus complete their degree in a shorter period of time.

Dual Enrollment (DE) courses are the beginning of the student's college transcript. GCSC allows us to offer courses beginning the sophomore year for students that qualify with a 3.0 or better un-weighted GPA and PERT scores in Reading, Writing and Mathematics. Students will be required to take the PERT in the Spring of the preceding year if they request DE courses, have a teacher recommendation and have a qualifying GPA. Florida State University and Embry Riddle University allows students to dual enroll beginning their junior year with qualifying SAT or ACT scores and a weighted GPA of 3.9.



FLORIDA STATE
UNIVERSITY
PANAMA CITY



Dual Enrollment Courses available at NBHCA

ENC 1101 **DUAL ENROLLED ENGLISH COMP I** **GRADE LEVEL 11-12**
Dual Enrollment course through Gulf Coast State College- in person at NBH HS. This course is an impromptu and process-based writing, inclusive of a multiple-source essay. This course is a Gordon Rule writing course in which students will produce extensive college-level writing. This course is dual enrolled through Gulf Coast State College and students will receive 1 credit for English in high school and 3 credits of ENC 1101 in college.

ENC 1102 **DUAL ENROLLED ENGLISH COMP II** **GRADE LEVEL 12**
Dual Enrollment course through Gulf Coast State College- in person at NBH HS. This course is a rhetoric of the argumentative essay and the documented paper. Compositions based on readings of fiction, nonfiction, drama, poetry, film, video, and other media. This course is dual enrolled through Gulf Coast State College and students will receive 1 credit for English in high school and 3 credits of ENC 1102 in college.

MAC 1105 **DUAL ENROLLED COLLEGE ALGEBRA** **GRADE LEVEL: 10-12**
Dual Enrollment course through Gulf Coast State College- in person at NBH HS. Topics included are functions and functional notation, domains and ranges of functions, graphs of functions and relations, operations on functions. Several types of functions and their applications are studied such as quadratic functions, rational functions, absolute value functions, exponential and logarithmic functions. Systems of equations and systems of inequalities are presented.

MAC 1114 DUAL ENROLLED PLANE TRIGONOMETRY GRADE LEVEL: 10-12
Dual Enrollment course through Gulf Coast State College- in person at NBH HS. The purpose of this course is to study circular and trigonometric functions and their applications. The content will also include the study of trigonometric identities, graphs, inverse functions, equations, solutions to right and oblique triangles and complex numbers. A graphing calculator is required.

MAC1140 DUAL ENROLLED PRE-CALCULUS ALGEBRA GRADE LEVEL: 10-12
Dual Enrollment course through Gulf Coast State College- in person at NBH HS. Pre-calculus is a pre-calculus algebra course designed to enhance a student's algebra skills before proceeding to Calculus. Dual enrolled with GCCC as Pre-Calculus Algebra MAC 1140, for 3 hours of college credit. A graphing calculator is required.

MAC2311 DUAL ENROLLED CALCULUS with Analytic Geometry 1 GRADE LEVEL: 11-12
Dual Enrollment course through Gulf Coast State College- in person at NBH HS. The purpose of this course is to study algebraic and transcendental functions and the general theories and techniques of Calculus. A graphing calculator is required.

MAC2312 DUAL ENROLLED CALCULUS with Analytic Geometry 2 GRADE LEVEL: 11-12
Dual Enrollment course through Gulf Coast State College- in person at NBH HS. The purpose of this course is to study algebraic and transcendental functions and the general theories and techniques of Calculus. A graphing calculator is required.

STA2023 DUAL ENROLLED COLLEGE STATISTICS GRADE LEVEL 10-12
Dual Enrollment course through Gulf Coast State College- in person at NBH HS. The purpose of this class is to study the topics: summarization of data, probability, probability distributions, normal distribution, statistical estimation, testing hypotheses, linear correlation/regression, and non-parametric statistics. A graphing calculator is required.

MUL2010 DUAL ENROLLED UNDERSTANDING MUSIC GRADE LEVEL 10-12
Dual Enrollment course through Gulf Coast State College- in person at NBH HS. Introduction to the world of music. Study of musical literature, styles, and forms; development of intelligent and sensitive listening ability; and increase of self enjoyment of music. American music, including jazz, as well as music of other cultures included. (Meets Fine Arts Humanities requirement).

ASC1000 AS120PC DUAL ENROLLED PRINCIPLES OF AEROSPACE SCIENCE GRADE LEVEL 10-12
Dual Enrollment course through Embry Riddle University - in person at NBH HS. An Introductory course in Aeronautical Science designed to provide the student with a broad-based aviation orientation in flight-related areas appropriate to all non-Aeronautical Science degree programs. Subjects include historical developments in aviation and the airline industry; theory of flight; airport operations; aircraft systems and performance; elements of air navigation; basic meteorology theory; air traffic principles; flight physiology; and aviation regulations and safety. Not available to Aeronautical Science students, students with FAA pilot certificates, or students who have credit for AS 121.

ASC2560 AS 220 DUAL ENROLLED UNMANNED AIRCRAFT SYSTEMS GRADE LEVEL 10-12
Dual Enrollment course through Embry Riddle University - in person at NBH HS. This course is a survey of unmanned aircraft systems (UAS), emphasizing the military and commercial history, growth, and application of UASs. The course will include basic acquisition, use, and operation of UASs with an emphasis on operations.

ECO2012 DE MACROECONOMICS GRADE LEVEL: 12
Dual Enrollment course through Gulf Coast State College- in person at NBH HS.
The course deals with the basic tools of analytical macroeconomics applied to the vital problems of our dynamic economy, national income, business fluctuations, unemployment and inflation, the problems of economic growth, government fiscal and monetary policy, money and banking, gold and foreign

trade, and the challenge of alternative economic systems. Dual enrolled course. must have 3.0 unweighted GPA. Required for graduation (May take Regular, Honors, or DE).

ECO 2013

DE MICROECONOMICS

GRADE LEVEL: 12

Dual Enrollment course through Gulf Coast State College- in person at NBH HS. This is an elective course for college. There is a large emphasis on the mathematics application in this course compared to Macro. Elective.

Note: Most DE courses have prerequisites, mandatory work, additional time and dates outside of school hours, and expectations from the specific college, and in some cases fees. Talk to your guidance counselor for details.

We also allow for additional DE classes to be taken on-line virtually in our media center from GCSU and FSU-PC as well as allowing for our students to drive to the college campus to take courses, as long as it allows for a full high school schedule.

Career Academies at NBHCA

Today's cutting-edge, rigorous and relevant career and technical education (CTE) prepares youth for a wide range of high-wage, high-skill, high-demand careers. The goal of our career academies is to help students discover individual interests and facilitate a passion through a focused academic, college-preparatory curriculum with real-life learning opportunities.

We offer nine programs in high demand/high growth areas.

- Entrepreneurship Career Pathway
- Criminal Justice Career Pathway
- Culinary Arts Career Pathway
- Cybersecurity Career Pathway
- Digital Design Career Pathway
- Engineering Career Pathway
- Health and Medical Science Career Pathway
- Marine Biology Career Pathway
- US Naval Sea Cadet and Aerospace Technology Career Pathway

Entrepreneurship Career Pathway

Purpose

The purpose of this program is to introduce students to the concept of entrepreneurship, present entrepreneurship as a viable career option, provide students with the skills needed to realistically evaluate their potential as a business owner, and develop the fundamental knowledge and skills necessary to start and operate a business.

Program Structure

- Principles of Entrepreneurship : 8812110
- Business Management and Law: 8812120
- Business Ownership: 8812000

Entrepreneurship Career Pathway Courses

8812110	PRINCIPLES OF ENTREPRENEURSHIP	GRADE LEVEL: 9-12
This course provides instruction in the basic principles of entrepreneurship including the role of the entrepreneur, entrepreneurship as a career, ethics in business, and the principles of marketing, financing, and managing a business. Meets art requirement for graduation.		
8812120	BUSINESS MANAGEMENT AND LAW	GRADE LEVEL: 9-12

This course is designed to provide an introduction to business management techniques. Topics include human relations, decision making, communication techniques, business law concepts, and characteristics of the American enterprise system. Course carries a 4.5 weighted GPA.

8812000

BUSINESS OWNERSHIP

GRADE LEVEL: 9-12

The purpose of this course is to prepare students for careers as entrepreneurs, present entrepreneurship as a career path worthy of consideration, provide students with the skills needed to realistically evaluate their potential as business owners, and develop the fundamental knowledge and skills necessary to start and operate a business. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

Criminal Justice Career Pathway

Purpose

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Law, Public Safety and Security career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Law, Public Safety and Security career cluster.

Program Structure

- Criminal Justice Operations 1: 8918010
- Criminal Justice Operations 2: 8918020
- Criminal Justice Operations 3: 8918030
- Criminal Justice Operations 4: 8918040

8918010

CRIMINAL JUSTICE OPERATIONS I

GRADE LEVEL: 9-12

This course is to introduce the student to the history, goals, and career opportunities in the Criminal Justice Profession. It also covers ethics and professionalism, constitutional and criminal laws, court and trial process, juvenile justice system, and the correctional system. Students will also be instructed on personal, interpersonal, and communication skills as well as demonstrate employability skills.

8918920 CRIMINAL JUSTICE OPERATIONS II GRADE LEVEL: 9-12

This course is to introduce the student to the history, goals, and career opportunities in the Criminal Justice Profession. It also covers ethics and professionalism, constitutional and criminal laws, court and trial process, juvenile justice system, and the correctional system. Students will also be instructed on personal, interpersonal, and communication skills as well as demonstrate employability skills.

8918030 CRIMINAL JUSTICE OPERATIONS III GRADE LEVEL: 9-12

This course is to introduce the student to the crime scene safety, conducting criminal investigations, conducting forensic processing, and complete property control procedures. Students will conduct a traffic crash investigation completing the proper report forms. Computer skills as well as job related math skills will be performed. Enhancing the awareness of human diversity will be instructed. Course carries a 4.5 weighted GPA.

8918040 CRIMINAL JUSTICE OPERATIONS IV GRADE LEVEL: 9-12

Track 1 consists of Standards 25-37 and is a one credit course focused on the Public Service Aide. Track 2 consists of Standards 38-49 and is a one credit course focused on the administrative aspects of the legal system. To complete the program, students must complete either Track 1 or Track 2. Course carries a 4.5 weighted GPA.

Cybersecurity Career Pathway

Purpose

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and cybersecurity-related careers in the Information Technology career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of cybersecurity.

Program Structure

- IT Fundamentals: 9001310 or Digital Information Technology : 8207310
- Computer and Network Security Fundamentals: 9001320
- Cybersecurity Essentials : 9001330
- Operational Cybersecurity: 9001340
- Cybersecurity Planning & Analysis: 9001350

Potential Industry Certifications

- CompTIA IT Fundamentals +

Cybersecurity Career Pathway Courses

9001310 I.T. FUNDAMENTALS GRADE LEVEL: 9-12
This course introduces students to the essential concepts, components, terminology, and knowledge about computers, computer systems, peripherals, and networks.

8207310 DIGITAL INFORMATION TECHNOLOGY GRADE LEVEL: 9-12
This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHTML, and XML web commands and design; and emerging technologies and web page design. After successful completion of Introduction to Information Technology, students will have met Occupational Completion Point A, Information Technology Assistant. Meets art requirement for graduation.

9001320 COMPUTER AND NETWORK SECURITY FUNDAMENTALS GRADE LEVEL: 9-12
This course introduces students to cybersecurity and provides them with essential computer and networking knowledge and skills, particularly those related to cybersecurity. Course carries a 4.5 weighted GPA.

9001330 CYBERSECURITY ESSENTIALS GRADE LEVEL: 9-12
This course provides students with insight into the many variations of vulnerabilities, attack mechanisms, intrusion detection systems, and some methods to mitigate cybersecurity risks, including certificate services and cryptographic systems. Course carries a 4.5 weighted GPA.

9001340 OPERATIONAL CYBERSECURITY GRADE LEVEL: 9-12
This course provides students with insight into the many ways in which computer systems can be secured, countermeasures implemented, and risk assessment performed. Course carries a 4.5 weighted GPA.

9001350 CYBERSECURITY PLANNING & ANALYSIS GRADE LEVEL: 9-12
This course focuses on the mitigation planning, disaster recovery, business continuity planning, and forensic analysis associated with securing computer environments. Many of the standards covered in this framework are based on or aligned with guidelines published by the Computer Security Division of the National Institute of Standards and Technology (NIST). Course carries a 4.5 weighted GPA.

Culinary Arts Career Pathway

Purpose

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Hospitality & Tourism career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Hospitality & Tourism career cluster.

Program Structure

- Principles of Food Preparation: 8500390
- Culinary Arts 1: 8800510
- Culinary Arts 2: 8800520
- Culinary Arts 3: 8800530
- Culinary Arts 4: 8800540

Potential Industry Certifications

- Servsafe Manager Certification

Culinary Arts Career Pathway Courses

8500390 PRIN OF FOOD PREP

GRADE LEVEL: 9-12

The content includes but is not limited to preparing students to understand the principles of food, selection and storage, basic food preparation, and selection of food services.

8800510 CULINARY ARTS 1 GRADE LEVEL: 9-12

This course covers the history of the food service industry and careers in that industry. Also covered are safety in the workplace; employability skills; leadership/teamwork skills; care and use of commercial culinary equipment; basic food science; basic nutrition; and following recipes in food preparation labs.

8800520 CULINARY ARTS 2 GRADE LEVEL: 9-12

In this course students will learn state mandated guidelines for food service; how to attain food handler training certification; and perform front-of-the-house and back-of-the-house duties. Students will prepare quality food products and present them creatively; demonstrate safe, sanitary work procedures; understand food science principles related to cooking and baking; and utilize nutrition concepts when planning meals/menus. Meets art requirement for graduation.

8800530 CULINARY ARTS 3 GRADE LEVEL: 9-12

In this course the student will research career opportunities in professional cooking/baking; follow guidelines on food selection, purchasing, and storage; and use communication skills. Students will prepare and present a variety of advanced food products; create centerpieces; and research laws specific to the hospitality industry. Also covered are management skills; how to develop a business plan; and utilization of technology in the workplace. Students will be knowledgeable about food safety manager training/certification training programs that are acceptable in Florida. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

8800540 CULINARY ARTS 4 GRADE LEVEL: 9-12

This course provides opportunities for students to apply their acquired knowledge and skills in culinary related scenarios. Track 1 consists of Standards 20 - 27 and is a one credit course focused on Culinary and Hospitality Management. This is a culminating course to develop advanced culinary techniques and skills. Students will learn using modern technology and culinary trends. To complete the program, students must complete either Track 1 or Track 2 or Track 3. Students may complete more than one track in OCP D. Course carries a 4.5 weighted GPA.

Digital Design Career Pathway

Purpose

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and the relevant technical knowledge and skills needed to prepare for further education and careers in the Arts, A/V Technology and Communication career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Arts, A/V Technology and Communication career cluster.

Program Structure	Potential Industry Certifications
<ul style="list-style-type: none">• Digital Information Technology : 8207310• Digital Design 1: 8209510• Digital Design 2: 8209520• Digital Design 3: 8209530	<ul style="list-style-type: none">• Microsoft Office Certification• Adobe Photoshop Certification• Adobe Illustrator Certification• Adobe InDesign Certification

Digital Design Career Pathway Courses

8207310 DIGITAL INFORMATION TECHNOLOGY GRADE LEVEL: 9-12

This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHTML, and XML web commands and design; and emerging technologies and web page design. After successful completion of Introduction to Information Technology, students will have met Occupational Completion Point A, Information Technology Assistant. Meets art requirement for graduation.

8209510 DIGITAL DESIGN I GRADE LEVEL: 9-12

This course is designed to develop the entry-level skills required for careers in digital design. The content includes computer skills; digital publishing concepts and operations; layout, design, and measurement activities; digital imaging; communication, collaboration and decision-making activities; critical thinking and problem-solving. Meets art requirement for graduation.

8209520 DIGITAL DESIGN 2 GRADE LEVEL: 10-12

This course continues the development of entry-level skills required for careers in digital design. The content includes computer skills; digital publishing operations; layout, design, and measurement activities; digital imaging; communication, collaboration and decision-making activities; critical thinking and problem solving. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

8209530 DIGITAL DESIGN 3 GRADE LEVEL: 10-12

This course continues the development of industry-standard skills required for careers in digital design. The content includes the use of software and equipment to perform digital publishing and digital imaging activities. Students continue to learn about communication, collaboration and decision-making activities, critical thinking and problem solving. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

Engineering Career Pathway

Purpose

The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study of the applications of engineering and its effect upon our lives and the choosing of an occupation. The content and activities will also include the study of entrepreneurship, safety, and leadership skills. This program focuses on transferable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes and systems in business and industry.

Program Structure	Potential Industry Certifications
<ul style="list-style-type: none">• Introduction to Engineering Design: 8600550• Principles of Engineering: 8600520• Civil Engineering and Architecture: 8600590• Engineering Design and Development 8600650	<ul style="list-style-type: none">• AutoDesk Inventor User Certification• Fusion 360 Certification• Revit Certification

Engineering Career Pathway Courses

8600500 INTRODUCTION TO ENGINEERING DESIGN GRADE LEVEL: 9-12

This course exposes students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Students will employ engineering and scientific concepts in the solution of engineering design problems. In

addition, they will learn to use 3D solid modeling design software to design solutions to problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions, document the process, and communicate the results. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

8600520 PRINCIPLES OF ENGINEERING

GRADE LEVEL: 9-12

This course helps students understand the field of engineering/engineering technology and prepares them for postsecondary engineering programs by developing a more in-depth mastery of the required knowledge and skills in mathematics, science, and technology. Through problem-based learning strategies, students study key engineering topics, including mechanisms, energy sources, energy applications, machine control, fluid power, statics, material properties, material testing, statistics, and kinematics. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

86005902 CIVIL ENGINEERING AND ARCHITECTURE

GRADE LEVEL: 9-12

This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers topics such as the Roles of Civil Engineers and Architects, Project Planning, Site Planning, Building Design, and Project Documentation and Presentation. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

8600650 ENGINEERING DESIGN AND DEVELOPMENT

GRADE LEVEL: 9-12

The purpose of this course is to serve as a capstone course to provide students with the opportunity to develop a solution to a design problem from start to finish. Students work in teams to design, engineer, create a prototype, perform product testing, and then produce a finished product. This would involve using ALL of the knowledge previously learned, not only in technology education, but across the curriculum. Students will be expected to create and deliver a formal report on the project. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

Health & Medical Science Career Pathway

Purpose

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Health Science career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of Health Science career cluster.

Program Structure

- Medical Skills: 8400320
- Health Science Anatomy and Physiology :8417100
- Health Science Foundations :8417110
- Allied Health Assisting 3 :8417131

Health Science Career Pathway Courses

8400320 MEDICAL SKILLS AND SERVICES

GRADE LEVEL: 9-12

Students will learn the services provided by health occupations career clusters. They will be able to discuss the history of health services and identify basic components of the health care delivery system.

8417100 HEALTH SCIENCE ANATOMY & PHYSIOLOGY GRADE LEVEL: 9-12

This course is part of the secondary Health Core consisting of an overview of the human body, both structurally and functionally with emphasis on the pathophysiology and transmission of disease. Medical terminology is an integral part of the course. The course Health Science Anatomy & Physiology (8417100) is designated as an equally rigorous (EQ) science credit. Course carries a 4.5 weighted GPA.

8417110 HEALTH SCIENCE FOUNDATIONS GRADE LEVEL: 9-12

This course is part of the Secondary Health Core designed to provide the student with an in-depth knowledge of the healthcare system and associated occupations. Emphasis is placed on communication and interpersonal skills, use of technology, ethics and the development of critical thinking and problem solving skills. Students may shadow professionals throughout the course.

The purpose of this course is to provide the on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: a training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student must be compensated for work performed. Course carries a 4.5 weighted GPA.

8417131 ALLIED HEALTH ASSISTING 3 GRADE LEVEL: 9-12

In this course students will perform skills representative of one to three areas of allied health care in the laboratory and clinical settings. Major areas of allied health are defined as physical therapy, radiation, EKG, laboratory and respiratory medicine, and occupational therapy. Other areas of health, medicine, dentistry, or veterinary may be included with instructor provided competencies.

Marine Biology Career Pathway

Purpose

Ocean exploration has exploded in the last few decades due to advances in technology that make it possible to explore the ocean depths and to go where no one has gone before. The Marine Science Academy will equip future explorers with the skills needed to unlock the secrets of the ocean. Ocean study requires knowledge of biology, chemistry, geology, and physics and prepares students for further studies in these exciting fields.

Students in the Marine Biology program not only take courses in Marine Sciences, Biology and Environmental science, but each student also gets extensive hands on experiences in real life situations. Our Marine Biology program has partnerships with St. Andrews Bay Watch, Marine Institute staff, Florida Fish and Wildlife scientists, Gulf World Marine Institute Staff. If you like to build shorelines, stand in the water working with local ecosystems and wildlife, cleaning-preserving and growing oysters, sea grass, scallops, and more, then this hands on program is for you. With the work out students do with local organizations, many of our graduates go to work after high school or college locally.

Program Structure

- Marine Science 1
- Marine Science 2 Honors
- Environmental Science or AP® Environmental Science and Enviro Sci Hon

- Biology Regular and Honors and/or AP Biology/Genetics Honors

Marine Biology Career Pathway Courses

2002510 MARINE SCIENCE I GRADE LEVEL: 9-12

This course provides an in-depth overview of the marine environment including the chemical, physical, and geophysical aspects of the marine environment, the ecology of the various zones, the diversity of the major marine ecosystems and phyla, and the interrelationship between man and the ocean.

2002530 MARINE SCIENCE II HONORS GRADE LEVEL: 10-12

While the content focus of this course is consistent with the Marine Science 2 course, students will explore these concepts in greater depth. In general, the academic pace and rigor will be greatly increased for honors level course work. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007)

US Naval Sea Cadet and Aerospace Technology Career Pathway

Purpose

The Naval Sea Cadets program is sponsored by the US Navy. Students complete rank requirements can be awarded up to E-3 rank for enlistment into the US Navy, USMC or Coast Guard. Students will be in uniform, have promotions, attend leadership and various during and after school activities, get scuba certified, drone certified, and some exposure to small boat operations. Students will also have overnight drills, summer boot camp and special ops training.

Program Structure

Personal, Career, and School Development Skills 1- 0500500 (Sea Cadet 1)
 Personal, Career, and School Development Skills 2- 0500510 (Sea Cadet 2)
 Personal, Career, and School Development Skills 3- 0500520 (Sea Cadet 3)
 Personal, Career, and School Development Skills 4- 0500530 (Sea Cadet 4)

Description: The purpose of this course is to provide students with an opportunity to experience success in school and improve attitudes and behaviors towards learning, self, school and community. Through enrollment in this class, students (and their families) are connected with public and private health, employment, counseling and social services. The private sector is involved in the collaboration in a variety of ways. These include tutoring of students, mentoring, serving as guest speakers or workshop leaders, donating

materials/equipment/facilities, providing financial/in-kind support for motivation and recognition awards, offering work experience or job-shadowing opportunities, funding scholarships. Institutions of higher education also join the partnership by providing interns, tutors, mentors and scholarships.

Other skills learned: Knowledge of self and others, development of positive attitudes, relationships, peer pressure, individual responsibility, goal setting, time management, decision making, problem solving, leadership skills, life management skills, employability skills and career planning.

Related Dual Enrollment Courses through Embry Riddle University

- **ASC1000 AS120PC DUAL ENROLLED PRINCIPLES OF AEROSPACE SCIENCE**
Dual Enrollment course through Embry Riddle University - in person at NBH HS. An Introductory course in Aeronautical Science designed to provide the student with a broad-based aviation orientation in flight-related areas appropriate to all non-Aeronautical Science degree programs. Subjects include historical developments in aviation and the airline industry; theory of flight; airport operations; aircraft systems and performance; elements of air navigation; basic meteorology theory; air traffic principles; flight physiology; and aviation regulations and safety. Not available to Aeronautical Science students, students with FAA pilot certificates, or students who have credit for AS 121.
- **ASC2560 AS 220 DUAL ENROLLED UNMANNED AIRCRAFT SYSTEMS**
Dual Enrollment course through Embry Riddle University - in person at NBH HS. This course is a survey of unmanned aircraft systems (UAS), emphasizing the military and commercial history, growth, and application of UASs. The course will include basic acquisition, use, and operation of UASs with an emphasis on operations.

The NBHCA 4x4 Block Schedule

North Bay Haven High School operates a 4x4 Block schedule which means students take four courses August through December (fall semester), and four classes January through May (spring semester). Students also have the option to take a select number of courses offered on zero period. Some of our AP courses also are on an every other day block all year.

This schedule allows students to earn eight credits a year (9 if a student chooses to take a zero period class), to explore our variety of academies, to accelerate their study of some subject areas, and to take advantage of college level course offerings. Students focus on only four courses at one time. This is a great advantage to our students academically.

Sample Freshman Student Schedule:

First Semester (Fall)		Second Semester (Spring)	
Period	Class	Period	Class
0*	Band 1	0*	Band 1
1 st	Honors Geometry	1 st	Honors Biology
**2 nd	English I Honors/AP Human Geography	**2 nd	English I Honors/AP Human Geography
3 rd	Honors Physical Science	3 rd	Algebra 2 Honors

4 th	Intro to Engineering Design	4 th	Personal Fitness/Fitness Life Design
-----------------	-----------------------------	-----------------	--------------------------------------

* 0 period is optional for students and there are limited courses available during this period.

**Some AP courses go every other day all year and are partnered with a course that also is- we call this an A/B block. Some AP courses are in a traditional block and only last one semester.

Report Cards and Grades and Credit Promotion

FOCUS is our internet grading program that allows parents to track attendance, discipline and grades online at any time. Grade reports will be issued at the end of each quarter (4 1/2 weeks), term (9 weeks) and semester (18 weeks) to all students. The number of tardies and absences will be clearly marked in the report. The grading scale determines numerical values for grades. Each teacher publishes their grading policy in their course syllabus on their website. One-half credit will be granted for each term course passed and one credit for each semester class.

Grades			Credit Promotion	
A	90-100	Outstanding Progress	9th Grade	0-5 Credits
B	80-89	Above Average Progress	10th Grade	6-11 Credits
C	70-79	Adequate Progress	11th Grade	12-19 Credits
D	60-69	Lowest Acceptable Progress	12th Grade	20+ Credits
F	0-59	Failure		

NBHCA Graduation Requirements

Standard Diploma	
English Language Arts (ELA) – 4 Credits	Electives – 8 Credits
ELA 1, 2, 3, 4 English 1, 2, 3, 4, Honors English 1, 2, 3, 4 or AP Composition/Language and AP Literature also meet the requirements *9th and 10th just take ELA all year	Note: 2 credits in the same world language are required for admission to state universities and Bright Futures Scholarship.
Mathematics – 4 Credits	One Online Course
One of which must be Algebra 1 and one of which must be Geometry *9th and 10th must take math all year	We offer Economics with Financial Literacy in the Senior Year with an online component to fit this need.
Science – 3 Credits	Other Requirements
<ul style="list-style-type: none"> One of which must be Biology 1, two of which must be in equally rigorous science courses 2 of the 3 required science credits must have a laboratory component 	<ul style="list-style-type: none"> 28 Credits Pass the 10th Grade ELA FSA PASS the Algebra 1 EOC* Take the US History EOC, Geometry EOC, and Biology EOCs (score becomes 30% of the student's final grade) or
Social Studies – 3 Credits	
1 credit world history, 1 credit U.S. history, .5 credit in U.S. government and .5 credit in economics to include financial literacy, 9th SS??	

Fine, Performing, or Practical Arts – 1 Credit	<p>student takes AP EXAMS in same courses</p> <ul style="list-style-type: none"> • 2 Years of Consecutive Foreign Language to fulfill state university system and bright futures requirements (i.e. Spanish I and Spanish II) • Students must earn a 2.0 weighted or greater GPA in the required in the required courses to graduate. <p><i>*There are concordant scores from ACT and SAT on the DOE website for these assessments.</i></p>
Eligible courses are specified in our course listing in the Curriculum Guide.	
Physical Education – 1 Credit	
<p>Must include health component. We offer Personal Fitness/ Fitness Lifestyle Design to fit this requirement (both are paired in one semester)</p> <p>*Waived if played 2 years of interscholastic sports</p>	

Diploma Designations

The Florida Department of Education has instituted new designations to the graduate's diploma to recognize students for their efforts in academic and vocational pursuits while in high school. These designations are noted on the students final transcripts.

Scholar Diploma Designation	Merit Diploma Designation
<p>In addition to meeting the 24-credit standard high school diploma requirements a student must:</p> <ul style="list-style-type: none"> • Pass the ELA Grade 10 statewide assessment • Earn 1 credit in Alg 2 • Pass the Geometry EOC • Earn 1 credit in Statistics or an equally rigorous mathematics course • Pass the Biology 1 EOC • Earn 1 credit in Chemistry or Physics • Earn 1 credit in a course equally rigorous to Chemistry or Physics • Pass the U.S. History EOC or AP US History exam • Earn 2 credits in the same World Language • Earn at least 1 credit in Advanced Placement (AP) or Dual Enrollment 	<p>In addition to meeting the standard high school diploma requirements:</p> <ul style="list-style-type: none"> • Attain one or more industry certifications from the list established (per x. 1003.492, F.S.)

Please visit the Florida Choices website to help you determine your interests for careers and requirements for college programs that match your aptitudes. www.flchoices.org

Bright Futures Scholarship Eligibility Requirements

<p>The Florida Bright Futures Scholarship Program establishes three lottery-funded scholarships for eligible high school graduates for academic achievement. There are three awards:</p> <ul style="list-style-type: none"> • Florida Academic Scholars (FAS) • Florida Medallion Scholars (FMS) • Florida Gold Seal Vocational Scholars (GSV) 			
	FAS	FMS	GSV
<p>Weighted Grade Point Avg (GPA) (Note: GPAs are NOT rounded)</p>	3.5 Weighted GPA using credits listed below.	3.0 Weighted GPA using credits listed below.	3.0 Weighted GPA using the 16 core credits listed for a 4-year diploma and 3.5 unweighted GPA in a minimum of 3 Career and Technical Education courses in one vocational program.

Required Credits	<p>16 Credits of college preparatory academic courses:</p> <ul style="list-style-type: none"> • 4 English (3 with substantial writing) • 4 Math (Alg 1 and above) • 3 Natural Science (2 with substantial lab) • 3 Social Science • 2 World Languages (sequential, in same language) <p>May use 2 additional optional credits from courses in academic areas listed above and/or AP fine arts courses to raise the GPA if necessary.</p>	<p>16 Credits of college preparatory academic courses:</p> <ul style="list-style-type: none"> • 4 English (3 with substantial writing) • 4 Math (Alg 1 and above) • 3 Natural Science (2 with substantial lab) • 3 Social Science • 2 World Languages (sequential, in same language) <p>May use 2 additional optional credits from courses in academic areas listed above and/or AP fine arts courses to raise the GPA if necessary.</p>	<p>4-Year Diploma: Credits include 16 core credits required for HS graduation:</p> <ul style="list-style-type: none"> • 4 English (3 with substantial writing) • 4 Math (Alg 1 and above) • 3 Natural Science (2 with substantial lab) • 3 Social Science • 1 Fine or Practical Art • 1 Physical Education (with Health) <p>Earn a minimum of 5 postsecondary credit hours through CAPE industry certifications which articulate for college credit</p>
Community Service	100 hours	75 hours	30 hours
Test Scores	<p>Best combined score of 1330 SAT (based on Reading and Math sections only)</p> <p>OR</p> <p>Best combined composite score of 29 ACT</p>	<p>Best combined score of 1210 SAT (based on Reading and Math sections only)</p> <p>OR</p> <p>Best combined composite score of 25 ACT</p>	<p>SAT Subtest scores of Reading 24, Writing and Language 25, Math 24</p> <p>OR</p> <p>ACT English 17, Reading 19, and Math 19</p> <p>OR</p> <p>PERT Reading 106, Writing 103 and Math 114</p>

Requirements may change for future graduating classes. Check for changes here:
www.floridastudentfinancialaid.org/SSFAD/bf

Students should begin logging community service hours in ninth grade with the forms available in the front office and on our guidance website.

Students should take the ACT or SAT multiple times at least by junior year to ensure opportunities to improve their scores to reach the required minimum scores.

Core Course Offerings at NBH HS

English 4 High School Credits Required	Mathematics 4 High School Credits Required- Must include Algebra 1 and Geometry
English 1 Regular and Honors (2 courses) English 1 Honors- AP Combo (with APHG) English 2 Regular and Honors (2 courses) English 2 Honors - AP Combo (With APUS) English 3 Regular World Literature Modern Literature DE English Composition 1 ENC1101 AP [®] Language Composition English 4 for College Readiness DE English Composition 2 ENC1102 AP [®] Literature	Algebra 1A and 1B Geometry A and B Geometry Honors Algebra 2 Regular and Honors Math for College Readiness Financial Algebra DE College Algebra MAC1105 DE Statistics STA 2122 DE Trigonometry MAC1114 DE Pre-Calculus MAC1140 DE Calculus and Analytic Geometry 1 MAC2311 DE Calculus and Analytic Geometry 2 MAC2312
History 3 High School Credits Required- Must be World History, US History, American Gov and Economics	Science 3 High School Credits Required- Must include Biology
Intro to Social Science AP [®] Human Geography World History Regular and Honors AP [®] World History US History Regular and Honors AP [®] US History American Government Regular and Honors Economics Regular and Honors Psychology AP [®] Psychology AP [®] American Government AP [®] Macroeconomics DE Macroeconomics ECO2012 DE Microeconomics ECO2013	Physical Science Regular and Honors Biology Regular and Honors Marine Science 1 Marine Science 2 Honors Environmental Science AP [®] Biology and Genetics Honors AP [®] Environmental Science and Enviro Sci Hon Chemistry Regular and Honors AP [®] Chemistry and Chemistry 2 Honors Physics Honors

NBHCA Courses and Descriptions

Art

0101310 **ART 2-D COMP I** **GRADE LEVEL: 9-12**
The course provides extensive experience in two-dimensional art media. Content includes artistic qualities of original art; design principles; manipulative skills/organization; aesthetic merit and qualities of 2-D works of art; production and critiquing of ideas and/or images; the elements of color, value, line, space, shape/form and texture; principles of emphasis, balance, rhythm, unity, repetition, contrast and proportion. Meets art requirement for graduation.

0101330 **ART 3-D COMP I** **GRADE LEVEL: 10-12**
Prerequisite: Art 2D. The course provides a basic understanding of design concepts; production of sculpture; history and origin of three dimensional works of art within the context of traditional 3-D Comp I crafts; the criteria for making judgments about aesthetic merits of three-dimensional art; the concepts of design and craftsmanship, and evaluation by students of their works of art. Meets art requirement for graduation.

0104340 **DRAWING 1** **GRADE LEVEL: 10-12**
Prerequisite: Art 2D. The purpose of this course is to enable students to develop basic perceptual, observational, and compositional skills necessary to communicate a range of subject matter, symbols, ideas, and concepts using knowledge of drawing media, processes, and techniques. Meets art requirement for graduation.

0104300 **AP DRAWING** **GRADE LEVEL: 9-12**
The AP Art History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the students develop in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history. College Course Equivalent AP Art History is the equivalent of a two-semester introductory college or university art history survey course. Prerequisites There are no prerequisite courses for AP Art History.

AP 2D Art and Design **GRADE LEVEL: 9-12**
AP 2-D Art and Design is an introductory college-level two-dimensional design course. Students refine and apply skills and ideas they develop throughout the course to produce two-dimensional art and design.

AP 3D Art and Design **GRADE LEVEL 9-12**
AP 3-D Art and Design is an introductory college-level three-dimensional design course. Students refine and apply skills and ideas they develop throughout the course to produce three-dimensional art and design.

0100300 **AP ART HISTORY** **GRADE LEVEL 9-12**
AP Art History is an introductory college-level art history course. Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis.

AP Capstone Courses

1700500 AP CAPSTONE SEMINAR GRADE LEVEL: 11-12

Prerequisite: A foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentation, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

1700510 AP CAPSTONE RESEARCH GRADE LEVEL: 12

Prerequisite: Completion of AP Seminar course with A or B. This is the second course in the AP Capstone experience and it allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they future the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance exhibit, or product where applicable) and a presentation with an oral defense.

Career & Technical Education

Entrepreneurship Career Pathway Courses

8812110 PRINCIPLES OF ENTREPRENEURSHIP GRADE LEVEL: 9-12

This course provides instruction in the basic principles of entrepreneurship including the role of the entrepreneur, entrepreneurship as a career, ethics in business, and the principles of marketing, financing, and managing a business. Meets art requirement for graduation.

8812120 BUSINESS MANAGEMENT AND LAW GRADE LEVEL: 9-12

This course is designed to provide an introduction to business management techniques. Topics include human relations, decision making, communication techniques, business law concepts, and characteristics of the American enterprise system. Course carries a 4.5 weighted GPA.

8812000 BUSINESS OWNERSHIP GRADE LEVEL: 9-12

The purpose of this course is to prepare students for careers as entrepreneurs, present entrepreneurship as a career path worthy of consideration, provide students with the skills needed to realistically evaluate their potential as business owners, and develop the fundamental knowledge and skills necessary to start and operate a business. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

Criminal Justice Career Pathway Courses

8918010 CRIMINAL JUSTICE OPERATIONS I GRADE LEVEL: 9-12

This course is to introduce the student to the history, goals, and career opportunities in the Criminal Justice Profession. It also covers ethics and professionalism, constitutional and criminal laws, court and trial process, juvenile justice system, and the correctional system. Students will also be instructed on personal, interpersonal, and communication skills as well as demonstrate employability skills.

8918920 CRIMINAL JUSTICE OPERATIONS II GRADE LEVEL: 9-12

This course is to introduce the student to the history, goals, and career opportunities in the Criminal Justice Profession. It also covers ethics and professionalism, constitutional and criminal laws, court and trial process, juvenile justice system, and the correctional system. Students will also be

instructed on personal, interpersonal, and communication skills as well as demonstrate employability skills.

8918030 **CRIMINAL JUSTICE OPERATIONS III** **GRADE LEVEL: 9-12**
This course is to introduce the student to the crime scene safety, conducting criminal investigations, conducting forensic processing, and complete property control procedures. Students will conduct a traffic crash investigation completing the proper report forms. Computer skills as well as job related math skills will be performed. Enhancing the awareness of human diversity will be instructed. Course carries a 4.5 weighted GPA.

8918040 **CRIMINAL JUSTICE OPERATIONS IV** **GRADE LEVEL: 9-12**
Track 1 consists of Standards 25-37 and is a one credit course focused on the Public Service Aide. Track 2 consists of Standards 38-49 and is a one credit course focused on the administrative aspects of the legal system. To complete the program, students must complete either Track 1 or Track 2. Course carries a 4.5 weighted GPA.

Culinary Arts Academy

8500390 **PRIN OF FOOD PREP** **GRADE LEVEL: 9-12**
The content includes but is not limited to preparing students to understand the principles of food, selection and storage, basic food preparation, and selection of food services.

8800510 **CULINARY ARTS 1** **GRADE LEVEL: 9-12**
This course covers the history of the food service industry and careers in that industry. Also covered are safety in the workplace; employability skills; leadership/teamwork skills; care and use of commercial culinary equipment; basic food science; basic nutrition; and following recipes in food preparation labs.

8800520 **CULINARY ARTS 2** **GRADE LEVEL: 9-12**
In this course students will learn state mandated guidelines for food service; how to attain food handler training certification; and perform front-of-the-house and back-of-the-house duties. Students will prepare quality food products and present them creatively; demonstrate safe, sanitary work procedures; understand food science principles related to cooking and baking; and utilize nutrition concepts when planning meals/menus. Meets art requirement for graduation.

8800530 **CULINARY ARTS 3** **GRADE LEVEL: 9-12**
In this course the student will research career opportunities in professional cooking/baking; follow guidelines on food selection, purchasing, and storage; and use communication skills. Students will prepare and present a variety of advanced food products; create centerpieces; and research laws specific to the hospitality industry. Also covered are management skills; how to develop a business plan; and utilization of technology in the workplace. Students will be knowledgeable about food safety manager training/certification training programs that are acceptable in Florida. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

8800540 **CULINARY ARTS 4** **GRADE LEVEL: 9-12**
This course provides opportunities for students to apply their acquired knowledge and skills in culinary related scenarios. Track 1 consists of Standards 20 - 27 and is a one credit course focused on Culinary and Hospitality Management. This is a culminating course to develop advanced culinary techniques and skills. Students will learn using modern technology and culinary trends. To complete the program, students must complete either Track 1 or Track 2 or Track 3. Students may complete more than one track in OCP D. Course carries a 4.5 weighted GPA.

Cybersecurity Career Pathway Courses

9001310 **I.T. FUNDAMENTALS** **GRADE LEVEL: 9-12**
This course introduces students to the essential concepts, components, terminology, and knowledge about computers, computer systems, peripherals, and networks.

8207310 DIGITAL INFORMATION TECHNOLOGY GRADE LEVEL: 9-12

This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHTML, and XML web commands and design; and emerging technologies and web page design. After successful completion of Introduction to Information Technology, students will have met Occupational Completion Point A, Information Technology Assistant. Meets art requirement for graduation.

9001320 COMPUTER AND NETWORK SECURITY FUNDAMENTALS GRADE LEVEL: 9-12

This course introduces students to cybersecurity and provides them with essential computer and networking knowledge and skills, particularly those related to cybersecurity. Course carries a 4.5 weighted GPA.

9001330 CYBERSECURITY ESSENTIALS GRADE LEVEL: 9-12

This course provides students with insight into the many variations of vulnerabilities, attack mechanisms, intrusion detection systems, and some methods to mitigate cybersecurity risks, including certificate services and cryptographic systems. Course carries a 4.5 weighted GPA.

9001340 OPERATIONAL CYBERSECURITY GRADE LEVEL: 9-12

This course provides students with insight into the many ways in which computer systems can be secured, countermeasures implemented, and risk assessment performed. Course carries a 4.5 weighted GPA.

9001350 CYBERSECURITY PLANNING & ANALYSIS GRADE LEVEL: 9-12

This course focuses on the mitigation planning, disaster recovery, business continuity planning, and forensic analysis associated with securing computer environments. Many of the standards covered in this framework are based on or aligned with guidelines published by the Computer Security Division of the National Institute of Standards and Technology (NIST). Course carries a 4.5 weighted GPA.

0200335 AP Computer Science Principles GRADE LEVEL: 9-12

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

0200320 AP Computer Science A GRADE LEVEL: 9-12

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

Digital Design Career Pathway Courses

8207310 DIGITAL INFORMATION TECHNOLOGY GRADE LEVEL: 9-12

This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHTML, and XML web commands and design; and emerging technologies and web page design. After successful completion of Introduction to Information Technology, students will have met Occupational Completion Point A, Information Technology Assistant. Meets art requirement for graduation.

8209510 DIGITAL DESIGN I GRADE LEVEL: 9-12

This course is designed to develop the entry-level skills required for careers in digital design. The content includes computer skills; digital publishing concepts and operations; layout, design, and

measurement activities; digital imaging; communication, collaboration and decision-making activities; critical thinking and problem-solving. Meets art requirement for graduation.

8209520 DIGITAL DESIGN 2 GRADE LEVEL: 10-12

This course continues the development of entry-level skills required for careers in digital design. The content includes computer skills; digital publishing operations; layout, design, and measurement activities; digital imaging; communication, collaboration and decision-making activities; critical thinking and problem solving. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

8209530 DIGITAL DESIGN 3 GRADE LEVEL: 10-12

This course continues the development of industry-standard skills required for careers in digital design. The content includes the use of software and equipment to perform digital publishing and digital imaging activities. Students continue to learn about communication, collaboration and decision-making activities, critical thinking and problem solving. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

Engineering Career Pathway Courses

8600500 INTRODUCTION TO ENGINEERING DESIGN GRADE LEVEL: 9-12

This course exposes students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Students will employ engineering and scientific concepts in the solution of engineering design problems. In addition, they will learn to use 3D solid modeling design software to design solutions to problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions, document the process, and communicate the results. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

8600520 PRINCIPLES OF ENGINEERING GRADE LEVEL: 9-12

This course helps students understand the field of engineering/engineering technology and prepares them for postsecondary engineering programs by developing a more in-depth mastery of the required knowledge and skills in mathematics, science, and technology. Through problem-based learning strategies, students study key engineering topics, including mechanisms, energy sources, energy applications, machine control, fluid power, statics, material properties, material testing, statistics, and kinematics. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

86005902 CIVIL ENGINEERING AND ARCHITECTURE GRADE LEVEL: 9-12

This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers topics such as the Roles of Civil Engineers and Architects, Project Planning, Site Planning, Building Design, and Project Documentation and Presentation. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

8600650 ENGINEERING DESIGN AND DEVELOPMENT GRADE LEVEL: 9-12

The purpose of this course is to serve as a capstone course to provide students with the opportunity to develop a solution to a design problem from start to finish. Students work in teams to design, engineer, create a prototype, perform product testing, and then produce a finished product. This would involve using ALL of the knowledge previously learned, not only in technology education, but across the curriculum. Students will be expected to create and deliver a formal report on the project. Meets art requirement for graduation. Course carries a 4.5 weighted GPA.

Health Science Career Pathway Courses

8400320 MEDICAL SKILLS AND SERVICES GRADE LEVEL: 9-12
Students will learn the services provided by health occupations career clusters. They will be able to discuss the history of health services and identify basic components of the health care delivery system.

8417100 HEALTH SCIENCE ANATOMY & PHYSIOLOGY GRADE LEVEL: 9-12
This course is part of the secondary Health Core consisting of an overview of the human body, both structurally and functionally with emphasis on the pathophysiology and transmission of disease. Medical terminology is an integral part of the course. The course Health Science Anatomy & Physiology (8417100) is designated as an equally rigorous (EQ) science credit. Course carries a 4.5 weighted GPA.

8417110 HEALTH SCIENCE FOUNDATIONS GRADE LEVEL: 9-12
This course is part of the Secondary Health Core designed to provide the student with an in-depth knowledge of the healthcare system and associated occupations. Emphasis is placed on communication and interpersonal skills, use of technology, ethics and the development of critical thinking and problem solving skills. Students may shadow professionals throughout the course. The purpose of this course is to provide the on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: a training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student must be compensated for work performed. Course carries a 4.5 weighted GPA.

8417131 ALLIED HEALTH ASSISTING 3 GRADE LEVEL: 9-12
In this course students will perform skills representative of one to three areas of allied health care in the laboratory and clinical settings. Major areas of allied health are defined as physical therapy, radiation, EKG, laboratory and respiratory medicine, and occupational therapy. Other areas of health, medicine, dentistry, or veterinary may be included with instructor provided competencies.

Experiential Education Courses

0500300 EXECUTIVE INTERNSHIP GRADE LEVEL: 11-12
The purpose of this course is to provide a practical introduction to the work environment through direct contact with professionals in the community

8303010 DIVERSIFIED CAREER TECH PRIN GRADE LEVEL: 11-12
This course is designed to enable each student to demonstrate employability skills; environmental, health, and safety skills; professional, legal, and ethical responsibilities; financial skills; leadership skills; communication skills; human resources and labor skills; America's economic principles; entrepreneurship principles; relate planning methods to life and career goals; and use of industry/technology principles in the workplace. A first occupational completion point will be met upon completion of DCT Principles and one credit of DCT OJT - Data Codes: A through P (see Major Concepts/Content section for list).

8300420 DIV CAREER TECH-OJT (11TH & 12TH ONLY) GRADE LEVEL: 11-12
The purpose of this course is to provide the on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: a training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student must be compensated for work performed.

Foreign Language

0708340 SPANISH 1
0708350 SPANISH 2
0708360 SPANISH 3 Honors

GRADE LEVEL: 9-12

These courses introduce students to the Spanish language and culture and provide opportunities to build their skills in reading, writing, and speaking the language. Spanish 1 & 2 meets requirement for college admission and Bright Futures foreign language requirement. Spanish 3 Honors goes deeper into the cultures and language and is a 4.5 weighted class.

0717300 American Sign 1
0717310 American Sign 2
0717312 American Sign 3 Honors
0717314 American Sign 4 Honors

GRADE LEVEL 9-12

American Sign Language 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language with introductions to culture, connections, comparisons, and communities. American Sign Language 2 reinforces the fundamental skills acquired by the students in American Sign Language 1. The course develops increased receptive and expressive, skills as well as cultural awareness. Specific content to be covered is a continuation of skills acquired in American Sign Language 1 while communication remains the primary objective. The cultural survey of the target language is continued. American Sign Language 3 and 4 provides mastery and expansion of skills acquired by the students in American Sign Language 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected media. Contemporary vocabulary stresses activities which are important to the everyday life of people using the target language. ASL 1 & 2 meets the requirement for college admission and Bright Futures foreign language requirement.

Language Arts

1001310 ENGLISH 1
1001340 ENGLISH 2
1001370 ENGLISH 3

GRADE LEVEL: 9
GRADE LEVEL: 10
GRADE LEVEL: 11

Prerequisite: Successful completion of preceding level course. The purpose of the course is to provide integrated educational experiences in the language arts strands of reading, writing, listening, viewing, speaking, language, and literature. English 1 is paired with Creative Writing 1 and 2 in the Freshman year to provide students with preparation for the rigorous writing required in high school courses. English 2 is paired with Applied Communications 1 in the Sophomore year to prepare students for college and career communication skills. MODERN and WORLD LIT???

1001405 ENGLISH 4: Florida College Prep

GRADE LEVEL: 12

Prerequisite: Successful completion of preceding level course. The purpose of the course is to prepare students to pass the PERT college readiness test and to take college English.

1001320 ENGLISH HONORS 1
1001350 ENGLISH HONORS 2

GRADE LEVEL: 9
GRADE LEVEL: 10

Prerequisite: Lev 4 or 5 on FCAT Reading, Grade of 90 or better in previous course, Teacher recommendation. Summer reading is required at all honors levels. The honors curriculum promotes academic excellence in language arts through enriched integrated experiences in the language arts strands of reading, writing, listening, viewing, speaking, language, and literature. Content includes instruction in critical analysis of major literary genres. English Honors 1 is paired with World Literature Honors in the Freshman year to provide students with preparation for the rigorous literary analysis required in college level courses. English Honors 2 is paired with Applied Communications 1 in the Sophomore year to prepare students for college and career communication skills.

ENC 1101 DUAL ENROLLED ENGLISH COMP I

GRADE LEVEL 11-12

Prerequisite: Reading & Writing PERT scores or SAT or ACT equivalent scores as required by Gulf Coast State College. This course is an impromptu and process-based writing, inclusive of a

multiple-source essay. This course is a Gordon Rule writing course in which students will produce extensive college-level writing. This course is dual enrolled through Gulf Coast State College and students will receive 1 credit for English in high school and 3 credits of ENC 1101 in college. **Summer reading required. Dual Enrollment 3.0 unweighted GPA required and college ready PERT scores.**

ENC 1102 DUAL ENROLLED ENGLISH COMP II GRADE LEVEL 12
Prerequisite: ENC 1101 with minimum grade of "C". This course is a rhetoric of the argumentative essay and the documented paper. Compositions based on readings of fiction, nonfiction, drama, poetry, film, video, and other media. This course is dual enrolled through Gulf Coast State College and students will receive 1 credit for English in high school and 3 credits of ENC 1102 in college. **Summer reading required. Dual Enrollment 3.0 unweighted GPA required and college ready PERT scores.**

1001420 AP® LANGUAGE AND COMPOSITION GRADE LEVEL: 11
Prerequisite: PSAT 87 or better, FCAT Reading Lev 4 or better, Writing Level 4 or higher, teacher recommendation. The course focuses on the development and revision of evidence-based analytic and argumentative writing and the rhetorical analysis of nonfiction texts. Students who achieve certain scores on a national exam may receive college credit for this course. **Summer reading required.**

1001430 AP® ENGLISH LITERATURE GRADE LEVEL: 12
Prerequisite: PSAT 87 or better, FCAT Reading Lev 4 or better, Writing Level 4 or higher, teacher recommendation. Students learn to analyze and interpret imaginative literature through the careful reading and critical analysis of representative works from various genres and periods. Students who achieve certain scores on a national exam may receive college credit for this course. **Summer reading required.**

1000410 INTENSIVE READING GRADE LEVEL: 9-12
This course is designed for students who are entering the upper grades, not reading on grade level and have a variety of reading intervention needs. This course is repeatable for high school credit as deemed necessary. Students may need to take this course if their FSA Reading score is a Level 1 or 2.

World Lit?
Modern Lit?

Performing, Fine and Practical Arts

0400310 THEATRE I GRADE LEVEL: 9-12
0400320 THEATRE II
0400330 THEATRE III
0400340 THEATRE IV

The course includes the history of theatre, specific works of dramatic literature, the fundamental techniques of acting, basic knowledge of theatrical production, and technical vocabulary related to theatre. Meets the Art requirement for graduation.

1700300 SPEECH 1 GRADE LEVEL: 9-12
The purpose of this course is to enable students to develop fundamental skills in formal and informal oral communication. Meets the Art requirement for graduation.

1007330 DEBATE 1 GRADE LEVEL: 10-12
The purpose of this course is to enable students to develop fundamental skills in formal and informal oral communication. Meets the Art requirement for graduation.

1006300 JOURNALISM I (YEARBOOK) GRADE LEVEL: 9-12
1006310 JOURNALISM III Honors
1006320 JOURNALISM IV Honors
1006330 JOURNALISM V Honors

Enrollment in this course is limited. Prerequisites: written application, two teacher recommendations, and yearbook instructor approval. Completion of Mass/Multi Media is also strongly encouraged as a prerequisite. This class involves a daily commitment - students shall register for two (2) credits of this course each school year. The primary purpose of this course is to produce the Yearbook. Tasks include selecting and developing an appropriate theme, designing and laying out pages, photography, and writing and editing copy. Teamwork and a willingness to commit to work outside of class is a necessity. Students will use business-compatible computer programs and work with digital photography. Organization and management techniques relating to journalistic productions will be stressed, including leadership skills, record keeping, time management, interviewing, sales techniques, and task organization. Students will be required to sell advertising to assist in paying for the publication.

1302300	BAND III	GRADE LEVEL: 9-12
1302310	BAND IV	
1302320	BAND V Honors	
1302330	BAND VI Honors	

Prerequisite: Audition. NBH offers three forms of band- marching, concert and jazz band. The purpose of this course is to enable students to develop proficient technical skills on wind or percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, and critical listening. Students must attend events as a part of their grade. Meets the Art requirement for graduation.

Jazz 1-2 and 3-4 HONORS
Marching Band 1-2 and 3-4 HONORS

1300310 MUSIC THEORY 1 GRADE LEVEL: 9-12

Prerequisite: Music reading ability. Students learn how music is constructed and developed, and acquire a basic understanding of the structural, technical, and historical elements of music. Student theorists develop basic ear-training, keyboard, and functional singing skills, and engage in the creative process through individual and collaborative projects.

1300330 AP MUSIC THEORY GRADE LEVEL: 9-12

The AP Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory coursework that covers topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized.

MUL2010 DUAL ENROLLED UNDERSTANDING MUSIC GRADE LEVEL 10-12

Dual Enrollment course through Gulf Coast State College- in person at NBH HS. Introduction to the world of music. Study of musical literature, styles, and forms; development of intelligent and sensitive listening ability; and increase of self enjoyment of music. American music, including jazz, as well as music of other cultures included. (Meets Fine Arts Humanities requirement).

1303300 CHORUS I GRADE LEVEL: 9

Prerequisite: Recommendation or must match pitch. Performing chorus for 9th graders. This course provides instruction in basic musicianship, vocal, and performance techniques. Students must attend competition as part of their grade. Meets the Art requirement for graduation.

1303310 CHORUS II GRADE LEVEL: 10-12
1303320 CHORUS V Honors
1303330 CHORUS VI Honors

Prerequisite: Chorus I; must match pitch. Concert Choir Performing Chorus. This course continues the application of basic musicianship, vocal, and performance techniques, but at an intermediate level.

Students must attend competitions as part of their grade for this course. Meets the Art requirement for graduation.

LEADERSHIP SKILLS DEVELOPMENT

2400300 Leadership Skills and Development
2400310 Leadership Techniques
Leadership Strategies
Approaches to Leadership

Grade Level: 9-12

The purpose of this course is to teach leadership skills, parliamentary procedure, problem solving, decision-making, communication skills, group dynamics, time and stress management, public speaking, human relations, public relations, team building, and other group processes.

MATHEMATICS

1200370 ALGEBRA 1A GRADE LEVEL: 9-10
1200380 ALGEBRA 1B

The purpose of this course is to develop the algebraic concepts and processes that can be used to solve a variety of real-world and mathematical problems. This is the first part of a two-course sequence of courses, Algebra 1A and Algebra 1B. Together, the two courses have the same requirements as Algebra I. ALGEBRA 1B REQUIRES A STATE MANDATED END OF COURSE EXAM (EOC). The EOC will be 30% of the student's grade in the course and is **required for graduation**.

1206300 INFORMAL GEOMETRY GRADE LEVEL: 9-12
1206310 GEOMETRY

Prerequisite: Algebra I or Algebra 1A and 1B. Geometry is offered to students who have successfully completed a course in Algebra I. Its content consists of, but is not limited to, deductive and inductive reasoning, and explorations of geometric relationships such as parallelism, perpendicularity, congruence and similarity, and properties of right triangles and circles. Formal proof is also included. This course requires one full year of instruction to learn the rigorous curriculum. THIS COURSE REQUIRES A STATE MANDATED END OF COURSE EXAM (EOC). The EOC will be 30% of the student's grade in the course and is **required for graduation**.

1206320 GEOMETRY HONORS GRADE LEVEL: 9-10

Prerequisite: A or B in Honors Algebra I, teacher recommendation, Level 4 or 5 on Algebra 1 EOC. Honors geometry is an enriched study of geometry open to incoming freshmen and sophomores. The purpose of the course is to develop the geometric relationships and deductive strategies that can be used in problem solving. Concepts covered include perpendicularity, congruent triangles, polygons, lines and planes, similarity, right triangles, circles, area, volume and coordinate geometry. Proofs are emphasized throughout the course. THIS COURSE REQUIRES A STATE MANDATED END OF COURSE EXAM (EOC). The EOC will be 30% of the student's grade in the course and is **required for graduation**.

1207300 LIBERAL ARTS MATH 1 GRADE 10-12

This course is designed as a bridge course between Algebra 1A and Algebra 1B. Students will review and practice Algebra 1 skills to prepare them for further math success.

1207310 LIBERAL ARTS MATH 2 GRADE 10-12

This course will serve as a bridge course between Geometry and Algebra 2 or as an additional math course after taking Math for College Readiness.

1200700 MATH FOR COLLEGE READINESS GRADE LEVEL: 12

The course is a combination of Algebra and Geometry concepts that will prepare them for college. The end of course exam for this course is the PERT and it must be passed to receive a passing grade.

1200340 ALGEBRA II HONORS GRADE LEVEL: 9-11
1201300 MATH ANALYSIS

Prerequisite: Geometry, Teacher Rec, Lev 4-5 on Geometry EOC Math Analysis/Algebra II Honors is an enriched study of Algebra for the college-bound student. The purpose of the course is to provide the foundation for applying algebraic skills to other mathematical and scientific fields. This is two-credit course. This includes a basic algebra review, linear and quadratic equations and inequalities, matrices and determinants, functions including exponential and logarithmic functions, polynomials, sequences and series, and probability. A graphing calculator is required. Both courses carry 4.5 weighted GPA.

1201310 ANALYSIS OF FUNCTIONS GRADE LEVEL: 10-12
1200330 ALGEBRA II

Prerequisite: Algebra I, Geometry and teacher recommendation. The purpose of this 2-part course is to provide the foundation for applying algebraic skills to other mathematical and scientific fields. The Algebra II course will include a basic algebra review, linear and quadratic equations and inequalities, matrices and determinants, functions including exponential and logarithmic functions, polynomials, sequences and series, trigonometric functions, and probability. Special emphasis will be placed on verbal problems making connections to real life. The use of graphing calculators will be integrated throughout the course to establish the relationship between algebra and technology. A graphing calculator is required.

STA2023 DE COLLEGE STATISTICS GRADE LEVEL: 9-12

Prerequisite: Algebra II or Alg II Honors (Teacher Recommendation). An introductory, non-calculus based, college course in statistics. At least one statistics course is typically required for majors such as engineering, psychology, sociology, health science, business and education. The TI-83 graphing calculator is required as it is an integral part of this course. **Dual Enrollment**

MAC 1105 DE COLLEGE ALGEBRA GRADE
LEVEL: 10-12

Prerequisite: Algebra II with a grade of B or better, and GCSC PERT Math score of 123 or higher. A graphing calculator is required. A TI83+ model is recommended. Topics included are functions and functional notation, domains and ranges of functions, graphs of functions and relations, operations on functions. Several types of functions and their applications are studied such as quadratic functions, rational functions, absolute value functions, exponential and logarithmic functions. Systems of equations and systems of inequalities are presented. **Dual Enrollment.**

MAC 1114 DE PLANE TRIGONOMETRY GRADE LEVEL: 10-12

Prerequisite: Algebra II Honors no grade below a B and GCCC PERT Math score of 140 or higher and CLM score of 43 OR College Algebra grade C or better. The purpose of this course is to study circular and trigonometric functions and their applications. The content will also include the study of trigonometric identities, graphs, inverse functions, equations, solutions to right and oblique triangles and complex numbers. A graphing calculator is required. **Dual Enrollment.**

MAC1140 DE PRE-CALCULUS ALGEBRA GRADE LEVEL: 10-12

Prerequisite: Algebra II Honors no grade below a B and GCCC PERT Math score of 140 or higher and CLM score of 43 OR College Algebra grade C or better. Pre-calculus is a pre-calculus algebra course designed to enhance a student's algebra skills before proceeding to Calculus. Dual enrolled with GCCC as Pre-Calculus Algebra MAC 1140, for 3 hours of college credit. A graphing calculator is required. **Dual Enrollment.**

MAC2311 DE CALCULUS with Analytic Geometry 1 GRADE LEVEL: 11-12

Prerequisite: Trigonometry and Pre-calculus. The purpose of this course is to study algebraic and transcendental functions and the general theories and techniques of Calculus. A graphing calculator is required. **Dual Enrollment.**

MAC2312 DE CALCULUS with Analytic Geometry 2 GRADE LEVEL: 11-12

Prerequisite: Trigonometry and Pre-calculus. The purpose of this course is to study algebraic and transcendental functions and the general theories and techniques of Calculus. A graphing calculator is required. **Dual Enrollment.**

PHYSICAL EDUCATION

1501300 PERSONAL FITNESS GRADE LEVEL: 9-12
 1501310 FITNESS LIFESTYLE DESIGN

The purpose of this course is to acquire knowledge of physical fitness concepts, understand the influence of lifestyle on health and fitness, and begin to develop an optimal level of fitness. Students are trained in all aspects of health- and skill-related components of fitness, with emphasis on skill. Personal fitness and PF credit **required for graduation**.

1502410 INDIVIDUAL AND DUAL SPORTS I GRADE LEVEL: 9-12
 1502420 INDIVIDUAL AND DUAL SPORTS II

The course introduces students to activities considered to be lifelong sports. Badminton, tennis, and pickleball are offered in this section. The basic fundamentals, rules, terms and procedures are taught.

1502480 OUTDOOR EDUCATION GRADE LEVEL: 11-12

Prerequisite: Instructor approval. This is an innovative course that covers orienteering, fly fishing, cast netting, ecology, hunting, saltwater and freshwater fishing, and other outdoor activities. Outdoor cookouts are an important aspect of this class.

1503350 TEAM SPORTS I GRADE LEVEL: 9-12
 1503360 TEAM SPORTS II GRADE LEVEL: 9-12

This course includes the sports of volleyball, flag football and soccer. The class will introduce the student to basic rules, skills and safety practices of each sport.

1501340 BEGINNING WEIGHTLIFTING GRADE LEVEL: 9-12
 1501350 INTERMEDIATE WEIGHTLIFTING GRADE LEVEL: 9-12

Students learn the fundamental and safety aspects of lifting weights. The course involves lifting weights and some distance running.

SCIENCE

2000360 Anatomy and PHYSIOlogy HONors

While the content focus of this course is consistent with the Anatomy and Physiology course, students will explore these concepts in greater depth. In general, the academic pace and rigor will be greatly increased for honors level course work. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).

2000310 BIOLOGY I GRADE LEVEL: 10

Prerequisite: Physical Science I with a passing score. This course focuses upon concepts relating to cells, cell structure, and the relationships between cellular processes and living things. It also includes but is not limited to ecology, genetics, change through time, and taxonomy. **Required for graduation**

2000320 BIOLOGY I HONORS GRADE LEVEL: 10

Prerequisite: Physical Science I Honors with an A or B and teacher recommendation. The course provides advanced exploratory experiences and activities in the concepts of life. The content includes, but is not limited to the nature of science, ecology, the life of a cell, genetics, change through time and taxonomy.

2000340 AP® Biology GRADE LEVEL: 10-12
2000440 Genetics Honors

Prerequisite: Teacher Recommendation, Physical Science Honors and Hon Biology with an A or B, PERT Rd 106 and Writing 103, FSA Reading Lev 4 or 5. Highly Recommended: Students are encouraged to have taken or concurrently take Chemistry and/or Anatomy & Physiology or Health Science 1. This pair of courses will follow a sequence of Fall: Genetics Honors and Spring: AP Biology. The AP Biology exam is in May. AP Biology is an in-depth study of the life sciences, in particular, organic chemistry, microbiology, cytology, genetics, biogenetics, evolution, comparative anatomy, zoology, botany, human biology, ecology and its effect on biodiversity. Emphasis is investigation, analysis and critical thinking of content through labs, research, media, and various established organizations. Honors Genetics will allow students to extend the Mendelian and Molecular Genetics units to maximize their performance of these two AP Biology units and to conduct lengthy lab experiments. The goal of the course is to both prepare students for college studies in natural sciences and obtain a qualifying score on the AP exam in early May. This course has extensive labs and a lab fee of \$20. **SUMMER WORK REQUIRED.**

2002510 MARINE SCIENCE I GRADE LEVEL: 9-12

This course provides an in-depth overview of the marine environment including the chemical, physical, and geophysical aspects of the marine environment, the ecology of the various zones, the diversity of the major marine ecosystems and phyla, and the interrelationship between man and the ocean.

2002530 MARINE SCIENCE II HONORS GRADE LEVEL: 10-12

While the content focus of this course is consistent with the Marine Science 2 course, students will explore these concepts in greater depth. In general, the academic pace and rigor will be greatly increased for honors level course work. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007)

2001340 ENVIRONMENTAL SCIENCE GRADE LEVEL: 10-12

Prerequisite: Physical Science and Biology. Introduction to the study of major environmental problems and issues. Topics include ecosystem structure and function; population patterns and dynamics; pollution of the air, water, and land; and resource management.

2001380 AP® ENVIRONMENTAL SCIENCE
2001341 ENVIRONMENTAL SCIENCE HONORS GRADE LEVEL: 10-12

Prerequisite: Physical Science Honors A or B, Honors English A or B, FSA Reading 4 or 5. The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural

and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. **SUMMER WORK REQUIRED.**

2003310 PHYSICAL SCIENCE GRADE LEVEL: 9

The purpose of this course is to provide opportunities to study the concepts of matter, energy, and forces, and their applications through exploratory investigations and activities.

2003320 HONORS PHYSICAL SCIENCE GRADE LEVEL: 9

Prerequisite: Teacher Recommendation. The purpose of this course is to provide in-depth opportunities to study the concepts of matter, energy, and forces, and their applications through exploratory investigations and activities.

2003340 CHEMISTRY I GRADE LEVEL: 11

Prerequisite: Algebra II. The course focuses on the study of composition and changes in matter, providing laboratory activities to promote research skills. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

2003350 CHEMISTRY 1 HONORS

Prerequisite: Algebra II. The course focuses on the study of composition and changes in matter, providing laboratory activities to promote research skills. While the content focus of this course is consistent with the Chemistry I course, students will explore these concepts in greater depth. In general, the academic pace and rigor will be greatly increased for honors level course work. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

2003370 AP[®] CHEMISTRY

2003360 CHEMISTRY 2 HONORS GRADE LEVEL: 11-12

Prerequisite: Chem 1 Honors A or B, Algebra 2 Honors A or B, Alg 1 and Geom EOC 4 or 5, FSA Reading Gr 10 Lev 4 or 5. The AP Chemistry course is designed to be taken only after the successful completion of a first course in high school chemistry. Students will take a semester of Chemistry 2 Honors in the fall and then a semester of AP Chemistry in the spring. This course is designed to be the equivalent of the general chemistry course usually taken during the first college year. **SUMMER WORK REQUIRED.**

2003390 Honors Physics GRADE LEVEL 10-12

While the content focus of this course is consistent with the Physics I course, students will explore these concepts in greater depth. In general, the academic pace and rigor will be greatly increased for honors level course work. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).

SOCIAL STUDIES

2104300 INTRO TO SOCIAL SCIENCE GRADE LEVEL: 9

This course primary content emphasis pertains to the study of the scope, focus and methodology of the social sciences through an overview of its various disciplines. This course is required for all ninth grade students unless they take AP Human Geography. It is a prerequisite to our high school social science courses.

2100310 U.S. HISTORY GRADE LEVEL: 10-11

The purpose of the course is to develop the analytic skills and factual knowledge necessary to deal effectively with the problems and content of the development of American history. Required for graduation (may take Regular, Honors or AP).

2100320 HONORS U.S. HISTORY GRADE LEVEL: 10-11

This is an advanced course in U.S. History from the first European explorations of the Americas to the present. Required for graduation (may take Regular, Honors, or AP).

2100330 AP® UNITED STATES HISTORY GRADE LEVEL: 10-11

Prerequisite: Teacher recommendation. The course is an introductory college class in U.S. history from the first European explorations of the Americas to the present. Students will take a national exam in May to determine college credit. **SUMMER WORK REQUIRED.**

2109310 WORLD HISTORY GRADE LEVEL: 11

The purpose of the course is to survey human history from the beginning of humanity to the present to prepare students to understand the world as we experience it today and to rationally participate in the world of their future. Required for graduation (may take Regular, Honors, or AP).

2109320 HONORS WORLD HISTORY GRADE LEVEL: 11

Prerequisite: Teacher recommendation. The purpose of the course is to survey human history from the beginning of humanity to the present to prepare students to understand the world as we experience it today and to rationally participate in the world of their future. The course is a more intense study than general World History. Required for graduation (may take Regular, Honors, or AP).

2109420 AP® WORLD HISTORY GRADE LEVEL: 11

Prerequisite: Teacher recommendation; Lev 4-5 on FCAT Reading Grade 9; AP Potential from 9th grade PSAT. Course content is structured around the investigation of five course themes and 19 key concepts in six different chronological periods, from approximately 8000 B.C.E. to the present and develops students' capacity and ability to think and reason in a deeper, more systematic way, better preparing them for subsequent college courses. Required for graduation (may take Regular, Honors, or AP).

2103400 AP® HUMAN GEOGRAPHY Grade Level: 9-12

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. **Requires summer reading.**

2106310 AMERICAN GOVERNMENT OR
2106320 AMERICAN GOVERNMENT HONORS GRADE LEVEL: 12

The grade 9-12 United States Government course consists of the following content area strands: Geography, Civics and Government. The primary content for the course pertains to the study of government institutions and political processes and their historical impact on American society. Content should include, but is not limited to, the functions and purpose of government, the function of the state, the constitutional framework, federalism, separation of powers, functions of the three branches of government at the local, state and national level, and the political decision-making process. Required for graduation (May take Regular, Honors, or AP).

2102335 ECONOMICS WITH FINANCIAL LITERACY OR
2102345 ECONOMICS HONORS WITH FINANCIAL LITERACY GRADE LEVEL: 12

The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle. Graduation requirement (may take DE Macroeconomics). Required for graduation (May take Regular, Honors, or AP).

2107350 AP® PSYCHOLOGY GRADE LEVEL: 11-12

Prerequisite: English and science teacher recommendation. This course is a study of the general field of psychology and is designed to provide an understanding of human behavior by studying the adaptation of the individual to the physical and social environment. Elective.

2107300 PSYCHOLOGY 1 and 2 GRADE LEVEL 10-12
2107310

Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. The content examined in this first introductory course includes major theories and orientations of psychology, psychological methodology, memory and cognition, human growth and development, personality, abnormal behavior, psychological therapies, stress/coping strategies, and mental health.

2102460 AP® US GOVERNMENT AND POLITICS GRADE LEVEL: 12

Prerequisite: AP US History or Honors US History teacher. This course is an introductory college class that provides a comprehensive examination of the theory, practice, ideals, and realities of government and politics in the United States. Major areas of study include behavior and participation, the legislative process, the presidency, the judicial process, and the administrative state. **SUMMER WORK REQUIRED.** Required for graduation (May take Regular, Honors, or AP).

ECO2012 DE MACROECONOMICS GRADE LEVEL: 12

Prerequisite: PERT Reading 104, PERT Writing 99 and cumulative unweighted GPA of 3.0 or better. The course deals with the basic tools of analytical macroeconomics applied to the vital problems of our dynamic economy, national income, business fluctuations, unemployment and inflation, the problems of economic growth, government fiscal and monetary policy, money and banking, gold and foreign trade, and the challenge of alternative economic systems. Dual enrolled course. must have 3.0 unweighted GPA. Required for graduation (May take Regular, Honors, or DE).

ECO 2013 DE MICROECONOMICS GRADE LEVEL: 12

Prerequisite: PERT Reading 106, PERT Writing 103, Math 114 and cumulative unweighted GPA of 3.0 or better. This is an elective course for college. There is a large emphasis on the mathematics application in this course compared to Macro. Elective.

2102370 AP MACROECONOMICS GRADE LEVEL: 12

AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

Extra-Curricular Offerings at NBHCA

We believe that extra-curricular activities enhance the learning experience of our students. These activities give students the opportunities that classroom learning cannot provide. We encourage students to join athletics, clubs, performing arts programs and honor societies. North Bay Haven is a member of the Florida High School Athletics Association (FHSAA).

Clubs		Performing Arts	Athletics	Honor Societies
Interact Club	Athletes	Marching Band,	Football	SAIL
Spanish Club	Key Club	Concert Band ,	Volleyball	National Honor Society
Drama Club	Chess	Jazz Band,	Swim/Dive	Beta
SGA	Art Club	Majorettes,	Golf	Mu Alpha Theta
Pep Club	HOSA	Color Guard	Cross Country	National Technical
FCA	Photography	(band)	Track	Honors Society
Environthon	Debate	Choir	Soccer	National English Honors
Dive	Chemistry	Drama	Basketball	Society
Naval Sea	Club	Dance	Tennis	Quill and Scroll
Cadets and	Diamond	Theatre and	Baseball	Science National Honors
Color Guard	Girls	Musical Theatre	Softball	Society
Fishing Club	Writing	Yearbook	Competitive	Tri M (Modern Music
Paintball Team	Criminal	Odyssey of the	Cheerleading	Masters) Society
Next Gen	Justice	Mind	Weightlifting	ASL
Shooting Stars	Skeet Team		Wrestling	
			LaCrosse	
			Beach Volleyball	

GLOSSARY OF TERMS

ADVANCED PLACEMENT: (AP) A college-level course earning an additional quality point for calculation of students' grade point averages and college credit based on national examination score. Application is required for admission to these courses.

COURSE CREDIT: On the 4 x 4 block schedule, one-half (.5) credit is awarded at the end of each term (9 weeks) for each course successfully completed. A total of eight credits may be earned during the regular school year (4 each semester or eighteen weeks).

DUAL ENROLLMENT: A college course offered through Gulf Coast State College, taught by a GCCC faculty member or NBHCA instructor approved by the college. Dual enrollment courses can earn an additional quality point for calculation of the students' grade point averages. Students in grades 10-12 may enroll in dual enrollment courses. An additional application is required for admission to these courses. Students must have a 3.0 unweighted GPA and appropriate scores on GCSC Placement Tests are required for most dual enrollment courses.

ELECTIVE COURSE: Any course not specifically required for graduation that is selected by the student.

GOLD SEAL PROGRAM: A group of vocational courses which meet the curriculum requirements for Gold Seal Scholars Award.

GRADE POINT AVERAGE (GPA): The numerical average of all the grades a student has earned in high school.

HONORS: A course in which the material is presented in an accelerated manner that is more academically challenging than a regular course in the same content area.

INTERNSHIP: In certain programs of study, students may (after course preparation) be placed in actual workplace situations to acquire experience in their chosen fields.

PERFORMING ARTS COURSE: A course in music, drama, art, or speech.

PRACTICAL ARTS COURSE: A course designed to teach vocational (work-related) skills, for example: home economics, industrial technology, business or computers.

PREREQUISITE: A course that is required prior to taking a more advanced course—for example, Geometry is a prerequisite to Algebra II.

QUALITY POINTS: In computing the un-weighted GPA, letter grades carry the following values or quality points: A=4.0, B=3.0, C=2.0, D=1.0, F=0. A 2.0 GPA is required for graduation.

REQUIREMENT: A course that must be completed in order to graduate.

SEMESTER: One half of a full course. For block classes that run eighteen weeks on the 4x4 schedule, this would be a nine week grading period. Students receive grade reports each 4.5 weeks. On a full year course such as courses that are every other day or during the zero period, a semester is half of the school year.

UN-WEIGHTED GPA: The un-weighted GPA is calculated using regular quality points without weighted values assigned to Honors, Dual Enrolled and Advanced Placement Courses.

WEIGHTED GPA: The weighted GPA is calculated using weighted quality points for calculating GPA. Weights for Honors courses are A=4.5, B=3.5, C=2.5, D=1.5. Weights for Dual Enrolled and Advanced Placement courses are A=5, B=4, C=3, D=2.