

Norfolk High School

Agriculture Education

A210 Sem1 AGRICULTURE BIOLOGY

Elective-Grade 10. Agriculture Biology is a one-year laboratory and lecture science course. It is designed for students with career interests in agriculture. Using agriculture, the course focuses on the principles, central concepts, and inter-relationships among the following topics: the molecular and cellular aspects of life, the chemical and structural basis of life, growth, and reproduction in plants and animals, the evolution of modern plants and domestic livestock species, plant and animal genetics, the taxonomy of modern agricultural plants and animals, animal behavior, and ecological relationships among plants, animals, humans, and the environment. This course is centered on an extensive laboratory component in order to connect the ideas of life science with agricultural applications, earth and physical science principles, and other curricular areas, including written and oral reporting skills. Meets NCAA core course natural/physical science requirement. This course partially fulfills the University of Nebraska natural science entrance requirement. This course meets the FFA membership requirements and is required for all Agriculture Academy students.

B210 Sem2 AGRICULTURE BIOLOGY

2nd Semester continuation of A210

0954 ANIMAL SCIENCE I

Elective-One Semester; Grade 10-12. This class is an overview of livestock animal science with an emphasis on anatomy and physiology, nutrition, reproduction, animal health, genetics, and veterinary science. This course was designed for the intermediate level classroom and will involve hands-on learning. Animal Science is for any student wanting to own or work with any kind of animal. The course meets FFA membership requirements. This is the second course of the Animal Science Agriculture Academy.

0959 ANIMAL SCIENCE II * PreReq: Animal Science

Elective-One Semester; Grade 11-12. Prerequisite: Animal Science I. This course is an introduction to the livestock industry and its role in food production. Topics that will be covered include breeds and selection, reproduction and breeding systems, inheritance and genetics, shelter and facility requirements, nutrition, diseases, and other aspects of meat, milk, wool, and poultry production. The course meets FFA membership requirements. Students may take this course for dual credit through Northeast Community College. The course is the capstone for the Animal Science Agriculture Academy.

A959 Sem1 INTRODUCTION TO AGRICULTURE

Elective-Grades 9-12. This class will explore the diverse world of agriculture, and how it relates to our local, state, national, and world economy. Topics range from floral design and animal science to meeting the food demands of an ever increasing population. Students wanting participate in FFA are strongly encourage to take Introduction to Agriculture. Students will be provided a foundation for future agriculture education classes. This course meets the FFA membership requirements. This is the first course for all of the Agriculture Academies.

B959 Sem2 INTRODUCTION TO AGRICULTURE

2nd Semester continuation of A959

0952 NURSERY & LANDSCAPE

Elective-One Semester; Grades 10-12. This course was designed as an overview of techniques in landscaping, plant nursery operations, floriculture, and gardening with emphasis placed on design, practices, and career opportunities. Students wishing to become aware of the landscaping, plant nursery, and gardening industries would benefit greatly from taking this course. This class will have an outdoor project to apply ideas and concepts learned in the classroom. The course meets FFA membership requirements. This is the capstone course of the Plant Science Academy.

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0950 PLANT AND SOIL SCIENCE

Elective-One Semester; Grade 10-12. This class offers an overview of plant and soil science with an emphasis on plant physiology and properties of soils. This course covers areas for students wishing to become more aware of the plant and soil sciences. Topics that will be covered include plant processes, soil structure, growing properties, hydroponics, aquaponics, plant growth and development, plant disease, plant identification, and fertilization. The course meets FFA membership requirements. The course is the second course of the Plant Science Agriculture Academy. Career Academy students will have priority in scheduling.

0965 WLDLIFE & NAT RESOURCE MANGMNT

Elective-One Semester; Grades 10-12. The course will be an overview of natural resource management designed to examine the importance of wildlife, wind, water, and biofuels. The course will study the effects of natural resources on Nebraska's economy as well as conservation. Emphasis will be placed on the intelligent use of natural resources available. The course meets FFA membership requirements.

Business Education

A513 Sem1 ACCOUNTING 1

Elective-Grades 10-12. Accounting is the language of business. This two semester course covers sole proprietorship accounting principles involved in the preparation and maintenance of financial records concerned with business management and operations. It is a comprehensive introduction to basic accounting including recording, summarizing and reporting, principles of income measurement and asset valuation, and accounting systems and controls. Students are exposed to careers in the accounting field. Any student interested in a career in business needs to take accounting as it sets the tone for all business decisions. This is the intermediate course in the Law or Entrepreneurship Pathway in the Business Administration Academy and the introductory course in the Finance Academy. Career Academy students will have priority in scheduling.

B513 Sem2 ACCOUNTING 1

2nd Semester continuation of A513

A515 Sem1 ACCOUNTING 2 * PreReq: Acct I & Instr Perm.

Elective-Grades 11-12. Prerequisites: Accounting I and Instructor's Permission. Accounting II expands the principles and concepts taught in Accounting I. This course is designed to provide introductory knowledge of accounting principles, concepts, and practices. Included topics are the balance sheet, the income statement, the statement of owner's equity, statement of cash flows, worksheets, journals, ledgers, accruals, adjusting and closing entries, internal controls, inventories, fixed and intangible assets, liabilities, equity, and financial statement analysis. This course provides a foundation for more advanced work in the fields of accounting and business. Students may choose to obtain college credit for this course through Northeast Community College. This is the capstone course in the Finance Academy. Career Academy students will have priority in scheduling.

B515 Sem2 ACCOUNTING 2 * PreReq: Acct I & Instr Perm.

2nd Semester continuation of A515

0532 BUSINESS & PERSONAL FINANCE *

Elective-One Semester; Grades 11-12. Business and Personal Finance covers the basic principles needed for effective personal finance management, including the practical applications of money management, budgeting, taxes, credit, insurance, housing, investments, and retirement planning. Student in this course may take it for dual credit through Northeast Community College. This is the intermediate course in the Finance Academy. Career Academy students will have priority in scheduling.

Norfolk High School

Business Education

0517 BUSINESS LAW I

Elective-One Semester; Grades 10-12. This course is designed to present the study of the legal rights and responsibilities necessary to be informed and productive citizens. Key concepts include contracts and torts, the role of courts, litigation, and constitutional issues including civil and criminal law. This is the capstone course in the Law Pathway of the Business Administration Academy. Career Academy students will have priority in scheduling.

0533 DIGITAL MEDIA PreReq: Info Tech Apps

Elective-One Semester; Grades 10-12. Prerequisites: Information Technology Applications. Ready for something more than just the ordinary computer class? Students will create, design, and produce digital media including sound, video, graphics, text, and animation. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development; project management, digital citizenship, and web process.

0527 ECONOMICS

Elective-One Semester; Grades 10-12. Economics looks at the business world from a totally economic standpoint. Students will discover the basic economics problem and the various ways that different economies answer these questions. The course looks at the role that the consumer, business, and government play in making the Free Enterprise System work. A global economy is rapidly becoming a way of life and Economics looks at the issues involved in working together. Topics of interest include: supply, demand, democracy, money and banking, credit, labor unions, and many more.

0529 ENTREPRENEURSHIP

Elective-One Semester; Grades 10-12. This course focuses on the aspect of management and retail as a career. Through simulations and hands-on projects, students will gain an insight into the world of owning and operating one's own business. Entrepreneurship is the development of a business or service through one's own imagination and creativity. Students will explore aspects of other's innovation as well as develop ideas of their own. This is a great course for one interested in owning and operating a business someday. This is the capstone course in the Culinary Academy; the capstone course in the Marketing Pathway of the Marketing Academy; and the capstone course in the Management & Entrepreneurship Pathways of the business Administration Academy. Career Academy students will have priority in scheduling.

0525 HOSPITALITY AND TOURISM MKTG

Elective-One Semester; Grades 9-12. (No prerequisite) Hospitality and Tourism provides instruction in skills and knowledge within the context of the fields of hospitality management (restaurant and lodging management, and food service) and tourism venues such as convention bureaus, destination markets, and travel agencies. In-depth instruction and practical experience in marketing and management concepts, principles, and practices related to the hospitality and tourism industries are fundamental components of this course. Current events, hands-on projects, and simulations have students actually apply their marketing and management skills and incorporate it into real-world situations. This is the capstone course in the Hospitality and Tourism Pathway in the Marketing Academy. Career Academy students will have priority in scheduling.

0507 INFO TECH APPS I

Required-One Semester; Grades 9-12. Students will explore emerging technologies as it applies to their success for high school, college, and career. The focus will be on the importance of digital citizenship, professional communication practices, advanced document processing, professional presentations, and intermediate spreadsheet and database applications used personally and professionally. This is the introductory course in the Information Technology Academy.

Norfolk High School

Business Education

0509**INFO TECH APPS II**

PreReq: Info Tech I

Elective-One Semester; Grades 9-12. Prerequisites: Successful completion of Information Technology Applications I: This course will focus on skill development in advanced Microsoft Office Applications, integration of applications utilizing advanced features, and exploring web technologies. Students will be given the opportunity to become Microsoft Office Certified. Skills, standards, and coursework align with industry certifications. This is the intermediate course in the Information Technology Academy. Career Academy students will have priority in scheduling.

0511**INFO TECH FUNDAMENTALS***

Elective-One Semester; Grades 11-12. Have you ever wondered what the inside of your computer looks like or how a computer does what it does? You will learn that and much more in Information Technology (IT) Fundamentals. Students will also explore IT careers and the hot trend of IT certification. Most importantly, students will learn what to look for when purchasing a computer and peripherals such as printers, scanners, digital cameras and PDAs. This is a great class for anyone wanting to know more about the many areas of information technology. Students may choose to obtain college credit for this course through Northeast Community College. This is the capstone course in the Information Technology Academy. Career Academy students will have priority in scheduling.

0501**INTRO TO BUSINESS**

Elective-One Semester; Grades 9-12. This class provides opportunity for students to complete activities in a variety of business-related areas. Students will use decision making, problem solving, and creativity skills in various situations. Areas of study include business law, entrepreneurship, economics, marketing, accounting, personal finance, teamwork, career opportunities, and other basic business concepts. This is an excellent course for that individual who has an interest in exploring what career opportunities are available in the world of business. This is the introductory course in all pathways of the Business Administration Academy and of the Hospitality and Tourism Pathway in the Marketing Academy.

0536**INTRO TO COMP PROGRAMMING ***

Elective-Grades 11-12. This online course uses C++ to write computer programs to run in the Microsoft Windows environment. Includes writing, testing, and debugging of programs. This is a dual credit class taught through Northeast Community College. There is a cost to take the class.

0522**MANAGEMENT AND LEADERSHIP**

Elective-One Semester; Grades 10-12. This course emphasizes the basic concepts of management and leadership within a business organization. It addresses characteristics, organization, and operation of business as major sectors of the economy. Students will investigate management issues involved in planning, organizing, leading, and controlling an organization. They will also acquire essential skills in the areas of emotional intelligence, time management, stress management, professional growth and development, communication, and relationship skills. This is the intermediate course in the Management Pathway in the Business Administration Academy. Career Academy students will have priority in scheduling.

A521**Sem1****MARKETING I**

Grades 10-12. The Marketing I course exposes students to all aspects of the business world. The course covers topics such as advertising, product planning and development, pricing (marketing math, profit/loss, discounts, etc.), retailing, and other topics vital to the running of a large multi-national corporation down to the owning of your small retail operation. Current events, hands-on projects, and simulations have students actually apply their marketing skills and incorporate it into real-world situations. This is a great course for anyone interested in business as a potential career. This is the introductory course in the Marketing Pathway of the Marketing Academy and the intermediate course in the Hospitality and Tourism Pathway in the Marketing Academy. Career Academy students will have priority in scheduling.

Norfolk High School

Business Education

B521 **Sem2** **MARKETING I**

2nd Semester continuation of A521 This is the intermediate course of the Marketing Pathway in the Marketing Academy.

0531 **PERSONAL FINANCE**

Elective-One Semester; Grades 10-12. Personal Finance will take a look at tasks and skills needed to be successful in the real world. Topics included will be Consumers in the Economy, Financial institutions and Banking Services, Credit, Savings and Investments, Insurance, Financial Management and Income Tax. This is an excellent course for anyone to take as the topics of discussion will impact everyone at some time in their adult life.

0523 **SPORTS AND ENTERTAINMENT MKTG**

Elective-One Semester; Grades 9-12. (No prerequisite) Sports & Entertainment Marketing provides students with the marketing and management concepts, principles and practices used in the marketing and management of entertainment venues, visual and performing art venues, sports teams, and arenas. Through the use of computer simulations and projects, students will develop skills that will benefit them immediately in either college or the job market.

Elective

0623 **HEALTH EDUCATION & SAFETY**

Elective-One Semester. This class DOES NOT fulfill the Physical Education graduation requirement. Grades 9-12. Grades earned in this class will affect student's cumulative grade point averages. This class is designed to provide the students with these objectives: an understanding of their growth and development; an opportunity to develop the ability to understand and interpret health information; the knowledge and skill to understand and utilize reliable health care; an appreciation of food health; pride in developing and maintaining good health; a critical attitude toward advertising of health services and products; a feeling of responsibility for community health; a sense of personal health responsibilities; interest in health and safety aspects of their own daily activities; an opportunity to discuss problems of interest to them, assess values of others, and to identify with problems of their age group.

A9900 **Sem1** **STUDY HALL**

B9900 **Sem2** **STUDY HALL**

Family and Consumer Science

0717 **CHILD DEVELOPMENT**

Elective-One Semester; Grades 9-12. In this course, students will evaluate the physical, emotional, social, moral, and intellectual development of children. Students will analyze the biological process related to prenatal development, birth and health of child and mother. Students will learn observation skills and investigate what government and other programs positively or negatively influence health care, nutrition, education, child protection, and poverty. The major projects in this course will be the Reality Baby and a research paper. Introductory course in the Early Childhood Academy.

Norfolk High School

Family and Consumer Science

0722**CULINARY I**

PreReq: Food Nutrition

Elective-One Semester; Grades 10-12. Prerequisite Food and Nutrition. Culinary 1 offers students an opportunity to train in all areas of food preparations and service. The curriculum is designed to train and prepare students for a career in food service. It is unique in that it offers students the opportunity to work in actual food service situations. We have partnered with our food service Culinary team to work with them and their facilities. Students will gain practical experience that will enhance their resume and prepare them for entry into a career in the food service Industry. This is the second course in the Culinary Academy. Career Academy students will have priority in scheduling.

0720**EARLY CHILDHOOD ED & SERVICES**

PreReq: Child Dvlpmnt

Elective-One Semester; Grades 10-12. Prerequisite: Child Development. Students in this course will evaluate different areas of Early Childhood Education and Services. They will be able to explore the different areas while learning about the regulations and governing bodies of the childcare field. Students will learn how to write, implement, and evaluate lesson plans, along with how to have a positive interaction with children. Students will get valuable job related skills that will translate straight to a resume. Students have the opportunity to work one on one with young children to get work experience and hands on training. Major projects in this class will be resume building, job shadowing and a short lab like experience. This is the second course in the Early Childhood Academy. Career Academy students will have priority in scheduling.

0718**EARLY CHILDHOOD PRACTICUM**

PreReq: ErlyChldEd

Elective-One Semester; Grades 11-12. Prerequisite: Early Childhood Education and Services. Students who take this class will be placed out in the community in daycares and preschools. They will be responsible for writing and implementing their own lesson plans. They will also have to evaluate the outcome of the lesson. This will give them needed professional development and resume ready skills. The skills perfected in the practicum are skills that will put them at the front of employers lists. There will be some class time at the beginning of the semester and again at the end of the semester to wrap up the work done. This is the capstone for the Early Childhood Education Academy. Career Academy students will have priority in scheduling.

0707**EXPLORING EDUCATION-TEACHING**

Elective-One Semester; Grades 10-12.

0725**FASHION**

Elective-One Semester; Grades 9-12. Fashion Design explores the evolving field of the clothing we wear and why we wear it. Students will examine fashion design through historical and current frameworks, consider the process of a design from concept to consumer purchase, and identify key components of fashion pieces that distinguish it from others. Students will learn basic sewing skills and complete a sewing project during this course. Students will provide their own fabric for the project.

0721**FOOD & NUTRITION**

Elective-One Semester; Grades 9-12. This course is designed to provide students with the foundational knowledge of food selection and preparation needed to successfully fuel the human body through consumption of food and resulting food energy. With a foundation of nutrition and food science, students will learn basic preparation skills, the reason behind the reactions of foods and the short-term and long-term wellness consequences as a result of nutritional intake, and exposure to careers related to the food industry. Introductory course in the Culinary Academy.

Norfolk High School

Family and Consumer Science

0713**HUMAN DEVELOPMENT & COGNITION***

PreReq: Intro to Education

Elective-One Semester; Grades 11-12. Prerequisite: Intro to Education. Candidates construct a conceptual basis for understanding the growth and development of learners. Theories of physical, cognitive, and socio-emotional development are explored in order to better understand the importance of the nurturing role of the teacher in human development and learning. Candidates begin to understand the human learning process and individual differences in how learners think and behave based on their unique characteristics. Candidates study theoretical models and the integration of models for planning and facilitating effective and differentiated experiences for diversified learners. Field Experience: Students will complete 20 hours of field experience. This course may be taken for Dual Credit through Wayne State College: EDU 250 Human Development and Cognition.

0710**INSTRUCTIONAL DESIGN PK-12***

PreReq: Intro to Education

Elective-One Semester; Grade 12. Prerequisite: Intro to Education. Students will practice instructional design methodologies of analysis, design, development, implementation, and evaluation. To explore and learn to recognize their biases, including but not limited to sexism, racism, prejudice, and discrimination, students will develop an awareness of the impact such biases have on their interpersonal relations. Students will be challenged to reflect on how they can relate more effectively to other individuals and groups in a pluralistic society in order to promote equitable approaches to instructional design. This course fulfills the human relations component established by the Nebraska Department of Education. Field Experience: A 4-hour field experience is required for successful completion of this class. This will be your Inquiry Learning group lesson presented in a local school. This course may be taken for Dual Credit through Wayne State College: EDU 275 P-12 Instructional Design. This is the capstone for the Education Academy. Career Academy students will have priority in scheduling.

0731**INTERPERSONAL RELATIONSHIPS**

Elective-One Semester; Grades 11-12. This course includes the study of interpersonal relationships and the effect of the well-being of individuals, families, work and society. The course includes concepts such as effective communication, establishing and maintaining relationships, diverse family systems, characteristics of personal development and the impact of relationships on personal and career success.

0708**INTRO TO EDUCATION***

Elective-One Semester; Grades 11-12. Students are introduced to teaching as a profession through the historical, cultural, and philosophical foundations of educational systems. Students will explore various aspects of education, as well as their beliefs and values about teaching and learning through the exploration of professional knowledge, practice, and values. Field Experience: Students will complete 5 observation hours in K-8 classrooms. This course may be taken for Dual Credit through Wayne State College: EDU 150 Introduction to Professional Education. Introductory course in the Education Academy.

0733**INTRO TO HEALTH CAREERS**

Elective-One semester; Grades 9-12. This class is designed to give an overview of the therapeutic, diagnostic, support services, biotechnology and research and health informatics pathways. The course focuses on the health careers, exploration, leadership development, medical terminology, ethical and legal responsibilities, the history of health care and the economics of health care. Intro to Health Careers is a required course as part of the Health Sciences Career Academy and is suggested as the first course taken in the sequence of Health Science courses.

0715**LIFE SPAN DEVELOPMENT**

Elective-One Semester; Grades 9-12. This course explores the physical, emotional, social, and intellectual development of individuals across the lifespan. External impacts on development including family structure and practices, social and technological forces, and resources available to individuals and their outcomes will be explored. Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA.

Norfolk High School

Family and Consumer Science

0730**PARENTS AND FAMILIES**

PreReq: Life Sp Dev or Ch Dev

Elective-One Semester; Grades 11-12. Prerequisites: Life Span Development or Child Development. Students will evaluate the effects of parenting roles and responsibilities on the well-being of individuals and families. In this course students will explain the following: influences on parenting, decisions to parent, support services for parents, positive actions to support the physical, emotional, intellectual, and social development of family members, parenting theories, and family adjustment to parenthood.

Fine Arts

ART**0433****ADVANCED DRAWING**

PreReq: Art Fund.

Elective-One Semester; Grades 9-12. Prerequisite: Art Fundamentals. Advanced Drawing is designed to give the student additional experience in drawing techniques, composition, and media development. Mediums will include pencil, charcoal, pastels, ink, printmaking and others. Art history, art appreciation, and art criticism activities are included in the class. The student will be eligible to display work in art shows and competitions.

0442**ADVANCED POTTERY**

PreReq: Art Fund & Pottery

Elective - One Semester. Grades 10-12. Prerequisites: Art Fundamentals and Pottery. Students will be taught advanced hand-building and wheel-thrown pottery construction techniques. Students will explore complex glazing and decoration methods. Students will learn to take professional quality photos of artwork and organize a digital portfolio. Students will be eligible to display work in art shows and competitions.

0431**ART FUNDAMENTALS**

Elective-One Semester; Grades 9-12. This is a high school entry level course designed to cover fundamental drawing and design techniques and to develop drawing skills as well as introduce students to a number of art mediums relating to the other art classes. Class work projects are enriched with art history, art appreciation, and art criticism activities. Students will be eligible to display work in art shows and competitions. This course is designed as a springboard to other art classes offered at Norfolk Senior High.

0435**COMMERCIAL ART**

PreReq: Art Fund.

Elective-One Semester; Grades 10-12. Prerequisite: Art Fundamentals; Commercial Art is a course designed to explore the projects and methods for producing advertising in art. Projects may include black/white photography, posters, package design, logos, billboard design, calligraphy, and illustration. The student will be taught to develop projects from thumbnail sketches to finished design simulating the work of the commercial artist. Students will be eligible to display work in art shows and competitions.

0437**CREATIVE ART**

PreReq: Art Fun, Adv Draw, +1

Elective-One Semester*; Grades 11-12. Prerequisite: Art Fundamentals, Advanced Drawing, plus one other art class. Creative Art is an intense studio art class designed for the serious art student. The class is made up of 2-D and 3-D projects in selected areas and may include independent studies in the individual student's interest areas with instructor's approval. Portfolio development, art history, art appreciation, and art criticism activities are incorporated into this class. Students will be eligible to display work in art shows and competitions. *This class may be repeated with instructor permission.

0439**PAINTING**

PreReq: Art Fun, Adv Draw

Elective-One Semester; Grades 10-12. Prerequisite: Art Fundamentals. Advanced Drawing taken previously would be helpful. Painting is an advanced class for students to improve and further develop their basic painting skills and to explore new techniques. Mediums used may include tempera, watercolor, acrylic, and mixed media. Art history, art appreciation, and art criticism activities are incorporated into the instruction for this class. Students will be eligible to display work in art shows and competitions.

Norfolk High School

Fine Arts

ART **0441** **POTTERY** PreReq: Art Fund.

Elective-One Semester; Grades 10-12. Prerequisite: Art Fundamentals. Students will be taught hand-building and wheel-thrown pottery construction techniques, and glazing/decoration methods. Students will be eligible to display work in art shows and competitions. This class may be repeated with instructor permission.

0443 **SCULPTURE** PreReq: Art Fund.

Elective-One Semester; Grades 10-12. Prerequisite: Art Fundamentals. Students will be taught designing, building, and decoration of relief and freestanding sculptural pieces using additive and subtractive methods. Students will become familiar with hand-held tools and power tools to create projects. Class will be supplemented with art history, art appreciation, and art criticism activities. Students will be eligible to display work in art shows and competitions.

MUSIC **A416** **Sem1** **CONCERT BAND (9-10)** PreReq: See course description

Elective-Grades 9-10. Prerequisite: Must have been in the band class the previous year or gained instructor approval. The concert band focuses on skills needed to perform all concert and contest literature for that school year, plus helps to prepare you to play in the Symphonic Band if you choose to. The concert band also serves as one of two pep bands that play at home basketball games. The concert band will perform 3 concerts a school year, compete at one contest, audition to perform at various clinics for educators at teacher discretion. Through this class you can also audition for honor bands to help build your resume, but it is not a requirement of the class.

B416 **Sem2** **CONCERT BAND (9-10)** PreReq: Instrmnt Exp

2nd Semester continuation of A417

A415 **Sem1** **CONCERT CHOIR** PreReq: See course description

Elective-Open to males in grades 10-12, and females 11-12. Prerequisite: Mixed Chorus, Treble Choir and/or Instructor's permission. Incoming students who have not completed NHS prerequisite courses must have Instructor approval before admittance. Students not admitted to Varsity Choir are encouraged to participate in either the Mixed Chorus or Treble Choir. Concert Choir is a Pass/fail course. Grades earned in this course will not affect students' cumulative grade point averages. This choir will be composed of male students in grades 10-12 and female students in grades 11-12. The voice parts will be limited to twenty sopranos, twenty altos, twenty tenors, and twenty bass/baritones. This choir should not exceed eighty members. Prerequisite: Mixed Chorus, Treble Choir &/or Permission from Director.

B415 **Sem2** **CONCERT CHOIR** PreReq: See course description

2nd Semester continuation of A415

A401 **Sem1** **MIXED CHORUS**

Elective-Grades 9-12. This is a Pass/fail course. Mixed Chorus is non-auditioned and open to any 9-12 grade students who have an interest in singing. Additional students who are currently working to master singing skills necessary for Concert Choir may also participate. This choir will be composed of male and female students in grade 9-12. Various styles and types of songs will be sung in order to increase the student's knowledge of choral literature and to expand their skills. Mixed Chorus students will explore some basic concepts of music theory. All Choir students will perform in approximately four public concerts during the school year.

B401 **Sem2** **MIXED CHORUS**

2nd Semester continuation of A401

Norfolk High School

Fine Arts

MUSIC

0404 MUSIC APPRECIATION

Elective-One Semester; Grades 9-12. In this course students will: learn to use discipline-appropriate descriptive vocabulary to discuss musical experiences and learn to identify representative examples from various styles, genres and composers. Students will also learn to discuss aesthetics of music, become familiar with a representative sample of compositions from the art music repertoire, and experience music first-hand through attendance at concerts and other cultural events.

0406 MUSIC THEORY I

PreReq: Band-Choir-Orch

Elective-One Semester; Grades 10-12. Freshman may NOT take this class. Prerequisite: Must be in a performing ensemble from the band, choir, or orchestra (class limit-12) This is a semester course that will take you deeper into the elements that make up music so that you better understand how and why music is put together and performed. Some of the areas you will study, but are not limited to include: Rhythm, Melody, The Keyboard, Major Scales, Major Key Signatures, Intervals, Minor Key Signatures, Minor Scales, Other Scales & Modes, Triads, Tonality. This class is a precursor to Music Theory II. Prereq: Must be a member of Band, Choir or Orchestra.

0402 MUSIC THEORY II

PreReq: Music Theory I

Elective-One Semester; Grades 10-12. This course will pick up where you left off in music theory level I! Our main focus of this course is to teach you about music technology & composition. If the spring play allows, your final will be composing music to be used for the spring play at the discretion of the spring play director and supervised by the Theory II teacher.

A405 Sem1 ORCHESTRA 11-12

PreReq: Instrmnt Exp

Elective-Grades 11-12. Prerequisite: Must have played violin, viola, cello, or double bass in orchestra class last school year or have instructor approval. At times, woodwind, brass, and percussion players are incorporated into the orchestra from the concert bands. Orchestra class is focused on the development of advanced string playing techniques, performing all major scales and all minor scales in all forms (natural, harmonic, & melodic). The orchestra will concentrate on reading various types of music literature, including those written strictly for string orchestras. Performances during a year will include five concerts and the participation in one contest. Students may also choose to participate in one or two orchestra festivals, audition for various honor orchestra, and/or perform in small ensembles and solos at contest.

B405 Sem2 ORCHESTRA 11-12

PreReq: Instrmnt Exp

2nd Semester continuation of A405

A409 Sem1 ORCHESTRA 11-12 (w/BAND)

PreReq: Instrmnt Exp

Student must also sign up for A420 Symphonic Band.

B409 Sem2 ORCHESTRA 11-12 (w/BAND)

PreReq: Instrmnt Exp

2nd Semester continuation of A409. Student must also sign up for B420 Symphonic Band.

A406 Sem1 ORCHESTRA 9-10

PreReq: Instrmnt Exp

Elective-Grades 9-10. Prerequisite: Must have played violin, viola, cello, or double bass in orchestra class last school year or have instructor approval. At times, woodwind, brass, and percussion players are incorporated into the orchestra from the concert bands. Orchestra class is focused on the development of advanced string playing techniques, performing all major scales and all minor scales in all forms (natural, harmonic, and melodic). The orchestra will concentrate on reading various types of music literature, including those written strictly for string orchestras. Performances during a year will include five concerts and the participation in one contest. Students may also choose to participate in one or two orchestra festivals, audition for various honor orchestra, and/or perform in small ensembles and solos at contest.

Norfolk High School

Fine Arts

MUSIC

B406	Sem2	ORCHESTRA 9-10	PreReq: Instrmnt Exp
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2nd Semester continuation of A406

A407	Sem1	ORCHESTRA 9-10 (w/BAND)	PreReq: Instrmnt Exp
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Elective-Grades 9-10. Prerequisite: Must have played violin, viola, cello, or double bass in orchestra class last school year or have instructor approval. At times, woodwind, brass, and percussion players are incorporated into the orchestra from the concert bands. Orchestra class is focused on the development of advanced string playing techniques, performing all major scales and all minor scales in all forms (natural, harmonic, and melodic). The orchestra will concentrate on reading various types of music literature, including those written strictly for string orchestras. Performances during a year will include five concerts and the participation in one contest. Students may also choose to participate in one or two orchestra festivals, audition for various honor orchestra, and/or perform in small ensembles and solos at contest.

Student must also sign up for A416 Concert Band.

B407	Sem2	ORCHESTRA 9-10 (w/BAND)	PreReq: Instrmnt Exp
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2nd Semester continuation of A407. Student must also sign up for B416 Concert Band.

A420	Sem1	SYMPHONIC BAND (11-12)	PreReq: See course description
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Elective-Grades 11-12. Prerequisite: Must have been in the band class the previous year or gained instructor approval. The symphonic band focuses on skills needed to perform all concert and contest literature for that school year, and prepares students who choose to continue playing an instrument in college. The symphonic band also serves as one of two pep bands that play at home basketball games. The symphonic band will perform three concerts each school year, compete at one contest, and audition to perform at various clinics for educators at teacher's discretion. Through this class, students can also audition for honor bands to help build a resume, but it is not a requirement of the class.

B420	Sem2	SYMPHONIC BAND (11-12)	PreReq: Instrmnt Exp
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2nd Semester continuation of A420

A413	Sem1	TREBLE CHOIR
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Elective-Grades 10-12. This is a pass/fail course. Grades earned in this course will not affect students' cumulative grade point averages. This choir shall be made up of females, grades 10-12, who are not members of the Varsity Choir but have demonstrated the ability to sing a Major Scale unaccompanied before admittance to this group. Junior and Senior girls not having been in Treble Choir may request an audition to be in Varsity Choir. Upper Class Treble Choir members may be moved to Varsity Choir at semester pending teacher approval and if their performance warrants. (Treble Choir is NOT limited to Sophomores. Juniors and Seniors are welcome, and encouraged to sing!)

B413	Sem2	TREBLE CHOIR
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2nd semester continuation of A413

THEATER

0453		TECHNICAL THEATER
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Elective-One Semester; Grades 9-12. In this course, students will learn about the interdependence of all theatrical elements and the role of a technical director and a technician in the rehearsal and performance process of a show. Students will learn the aspects of design and implementations of design in scenery, props, costumes, lighting, and sound. Students will demonstrate understanding of safety regulations for construction and backstage work and the necessity of the chain of command in a theater. Grading is pass/fail. It is possible that students could take this course more than once. Semesters would be slightly different due to the different shows we build during the school year.

Norfolk High School

Fine Arts

THEATER 0449 THEATRE I

Elective-One Semester; Grades 9-12. This is an introductory course open to all students in grades 9-12, with an interest in any aspect of the theatre arts. The emphasis of this course is a study of the essentials of the actor's craft: concentration, relaxation, sensory awareness, emotional response, physicalization, acting technique, and character and script analysis. The study of theatre will be approached through a progression of exercises, theatre games, pantomimes, improvisations, and scenes from scripted plays. Along with acting; directing play production, and theatre appreciation will be emphasized; with additional study in theatre history, playwriting, acting theory, and technical theatre.

0451 THEATRE II PreReq: Theatre I or Instr Prm

Elective-One Semester; Grades 10-12. Prerequisite: Successful completion of Theatre I or permission of instructor. This course is an extension of the Theatre I class with an emphasis on acting styles especially the ensemble, character development, acting technique (including voice and movement), directing, and performance of a class project production.

Foreign Language

A811 Sem1 FRENCH I

Elective-Grades 9-12. This course is an introduction to the French language with emphasis on oral comprehension and mastery of basic vocabulary and elementary grammatical concepts. This course would be excellent for those students who plan to pursue a Bachelor of Arts degree. Students will be expected to participate daily in class through oral and written work in the language. Students must be consistent in studying and should not consider class time to be enough time for study. Meets NCAA additional core course requirement. This course partially fulfills the University of Nebraska foreign language entrance requirement.

B811 Sem2 FRENCH I

2nd Semester continuation of A811

A813 Sem1 FRENCH II PreReq: French I

Elective-Prerequisite; Completion of previous level with at least 78%. This is a college preparatory course. This course is offered to students who have completed one year of French. It is a continuation of the first year course with more emphasis on grammar and reading. Students will improve oral ability by participating in class discussion. Written work is increasingly original. There will be more emphasis on the culture of French speaking countries.

B813 Sem2 FRENCH II PreReq: French I

2nd Semester continuation of A813

A815 Sem1 FRENCH III PreReq: French II

Elective-Grades 11-12. Prerequisite: Completion of previous level with at least 78%. There will be a thorough review of grammar and vocabulary. The emphasis will be on developing the skills of speaking and writing the language with greater study of the literature of French speaking countries and increased understanding of culture through readings and short stories. The course is conducted mainly in French.

B815 Sem2 FRENCH III PreReq: French II

2nd Semester continuation of A815

Norfolk High School

Foreign Language

A817 **Sem1** **FRENCH IV** PreReq: French III

Elective-Grade 12. Prerequisites: Completion of previous level with at least 78%. This course is a study of French civilization, history and literature conducted mainly in French. In the fourth year students will review and deepen all language skills. Emphasis will be on speaking and writing, with some review of grammar and study of literature. Readings feature both modern and classic French literature, as well as French culture.

B817 **Sem2** **FRENCH IV** PreReq: French III

2nd Semester continuation of A817

A803 **Sem1** **SPANISH I**

Elective-Full Year; Grades 9-12. This course is an introduction to the Spanish language with emphasis on oral comprehension and mastery of basic vocabulary and elementary grammatical concepts. This course would be excellent background if pursuing a Bachelor of Arts degree in college. Students will be expected to participate daily in class through oral and written work in the language. This course partially fulfills the University of Nebraska foreign language entrance requirement and meets NCAA additional core course requirement.

B803 **Sem2** **SPANISH I**

2nd Semester continuation of A803

A805 **Sem1** **SPANISH II*** PreReq: Spanish I

Elective-Full Year; Grades 10-12. Prerequisite: Successful completion of Spanish I. This college preparatory course is a continuation of the first year course with more emphasis on grammar and reading. Students will improve oral ability by participating in class discussion. Written work is increasingly original. There will be more emphasis on the culture of Spanish speaking countries. This course partially fulfills the University of Nebraska foreign language entrance requirement and meets NCAA additional core course requirement. This course may be taken for dual credit through Northeast Community College.

B805 **Sem2** **SPANISH II*** PreReq: Spanish I

2nd Semester continuation of A805

A807 **Sem1** **SPANISH III *** PreReq: Spanish II

Elective-Full year; Grades 11-12. Prerequisite: Successful completion of Spanish II. There will be a thorough review of grammar and vocabulary. This course will provide the opportunity to improve reading, writing and comprehension skills by utilizing advanced reading resources and developing compositions and dialogues. In addition, there will be an emphasis on speaking and accurately pronouncing the target language on a daily basis. Therefore, this class will be conducted approximately 80% of the time in Spanish. This course partially fulfills the University of Nebraska foreign language entrance requirement, and meets NCAA additional core course requirement. This course may be taken for college credit through Northeast Community College.

B807 **Sem2** **SPANISH III *** PreReq: Spanish II

2nd Semester continuation of A807

Norfolk High School

Foreign Language

A809 **Sem1** **SPANISH IV *** PreReq: Spanish III

Elective-Full Year; Grade 12. Prerequisite: Successful completion of Spanish III. The goal of Spanish IV is to help each student improve the skills learned in level III and obtain a higher degree of proficiency in the four areas of listening, speaking, reading and writing. In this course students will continue to learn vocabulary and grammatical concepts necessary for oral and written communication in Spanish. Spanish IV is a fast paced intensive study of the Spanish language and culture. This class is conducted almost entirely in Spanish and students are expected to use exclusively Spanish in class. This course partially fulfills the University of Nebraska foreign language entrance requirement and meets NCAA additional core course requirement. This course may be taken for college credit through Northeast Community College.

B809 **Sem2** **SPANISH IV *** PreReq: Spanish III

2nd Semester continuation of A809

Industrial Tech Ed

A935 **Sem1** **ARCHITECTURAL DRAFTING** PreReq: Drafting I

Elective-Grades 11-12. Prerequisite: Drafting I. Architectural drafting deals primarily with residential housing. Students will study different styles of houses. From this information students will design house plans including features they would like to see on their own homes such as sunken rooms, whirlpools, decks, and swimming pools. Drawings will be produced using Computer Aided Drafting (CAD) systems. These drawings will be three dimensional. This will allow students to build a 3-D computer generated model house. After furnishing the home, students will produce a set of working drawings along with a 'walk through video' of it. (Autodesk AutoCAD, Autodesk Architectural Desktop, and Autodesk Revit software will be used.) This is the second course in the Drafting Career Academy. Career Academy students will have priority in scheduling. *All students enrolled in a Career Academy related to STS courses will be required to be a member of the Skills USA organization.

B935 **Sem2** **ARCHITECTURAL DRAFTING** PreReq: Drafting I

2nd Semester continuation of A935

0929 **AUTO TECHNOLOGY** PreReq: PwrEnergy & Instr. Perm

Elective-One Semester (2 period block) (10 credits); Grade 12. Prerequisite: Power and Energy, Completed Application Process for Automotive Career Academy, and Instructor's permission. Auto Technology will concentrate on the familiarization of parts and theories of operation of the automobile. Each student is required to have their own automotive projects to work on. Each student will have the opportunity to repair an automobile engine and make the proper adjustments and measurements. Repair work on systems of the automobile including power train, ignition, electrical, brakes, suspension, fuel, and cooling will be expected of all students. Included in the troubleshooting will be the use of scan tools and other test equipment. We will discuss careers available to those interested in automotive as well as how to be safe and professional when working in the automotive field. Students will need to supply their own safety glasses. All parts will be at the student's expense. This is the capstone course for the Automotive Career Academy, and students enrolled in Auto Technology will be expected to be a part of the Automotive Career Academy. Students will not be allowed to register and receive credit for this course more than once. *All students enrolled in a Career Academy related to STS courses will be required to be a member of the Skills USA organization.

0915 **CONSTRUCTION** PreReq: Wood Wrkg I, II & Perm

Elective-One Semester (2 Period Block) (10 credits) Grades 11-12. Prerequisite: Wood Working Tech I and II. This course is designed to introduce the student to basic construction techniques and practices. The students will be exposed to various construction and carpentry tools, construction safety, foundation design, framing techniques, and interior and exterior finish. Students will gain hands-on experience through school related projects. This class is scheduled into two consecutive periods that will allow students to receive a full year of academic credit in one semester. This is the capstone course for the Construction Career Academy and any student taking this course will be required to sign up for the Construction Career Academy. *All students enrolled in a Career Academy related to STS courses will be required to be a member of the Skills USA organization.

Norfolk High School

Industrial Tech Ed

0927 CONSUMER AUTO

Elective-One Semester; Grades 10-12 In the Consumer Auto course, students will be introduced to automotive systems including steering and suspension, brakes, wheel and tire assembly, drivetrain, and electrical. Students will also learn basic automobile preventive maintenance including changing a tire and routine oil change. Driver training, certification and licensing, emergency procedures, automobile insurance, licensing, and taxation are other topics covered.

A931 Sem1 DRAFTING I

Elective-Grades 10-12. This course is a prerequisite for anyone wishing to take Drafting II or Architecture. This class will provide the basic information used in drafting, design, and engineering drawing. Emphasis is placed on the student being able to visualize an object and produce drawings of that object. Any student interested in an occupation in design, computer-aided design, engineering, architecture, or any other job involving the reading of blueprints would find this course useful. Instruction will include extensive use of Computers Aided Drafting (CAD). (Autodesk AutoCAD software will be used.) Most work is completed in class. Introductory course for the Drafting Career Academy.

*All students enrolled in a Career Academy related to STS courses will be required to be a member of the Skills USA organization.

B931 Sem2 DRAFTING I

2nd Semester continuation of A931

A933 Sem1 DRAFTING II * PreReq: Drafting I

Elective-Grades 11-12. Prerequisite: Drafting I. Drafting II is advanced mechanical drafting. The course involves the continuation and refining of skills learned in Drafting I. Subject matter includes a basic review of information covered in Drafting I, then expands into other types of drawings including: sectioning, auxiliary views, dimensioning, tolerancing, threads and fasteners, gears, cams, and group project design. Most time will be spent working on Computer Aided Drafting (CAD). Post-secondary planning, including preparing for job opportunities or college, will be addressed. During the second semester of this course, students will be introduced to 3-D drawing software specifically made for mechanical design. (Autodesk Inventor software will be used.) This course may be taken for dual credit through Northeast Community College. This is the capstone course for the Drafting Career Academy. Career Academy students will have priority in scheduling.

*All students enrolled in a Career Academy related to STS courses will be required to be a member of the Skills USA organization.

B933 Sem2 DRAFTING II * PreReq: Drafting I

2nd Semester continuation of A933

0941 DRONE TECHNOLOGY*

Elective-Grades 11-12. This course is designed to introduce students to the rules of small UAS (drone) operations as required by the Federal Aviation Administration. It is also intended to help students learn and understand the interworking of drones, proper flight planning, protocol for various drone missions, and drone flight proficiency. Completion of the course will prepare the students for successful completion of the FAA Part 107 UAS Remote Pilot certification. Students may take this course for dual credit through Northeast Community College.

Norfolk High School

Industrial Tech Ed

0909 EXPLORING INDUSTRIAL TECH

Elective-Grade 9. This class is offered primarily to Freshmen interested in learning more about the offerings in the STS department. Examples of these types of classes are Drafting, Construction, Welding and Automotive. This class will allow students to experience activities associated with areas in the career academies.

* Drafting- Students will create and print 3D home plans, and produce a 3D printed object from a drawing created by the student.

* Construction- Students will explore the construction field by utilizing tools, processes and trends being practiced today as compared with the past. Instruction will include tool demonstrations, speakers, tours and hands-on activities.

* Metals- Students will learn to run a bead with OxyAcetylene and SMAW welder, and utilize the Plasmacam machine to render, cut and finish a metal sign.

* Automotive- Students will construct a device that uses the six simple machines. Instruction will include the demonstration of the operation of an internal combustion engine, and demonstration of basic automotive upkeep.

0917 METALS I

Elective-One Semester; Grades 10-12. This course is the study of basic foundry where students will pack and pour a mold with molten aluminum. Students will be required to turn a part on the machine lathe and complete basic welds utilizing oxy acetylene and SMAW welding processes. Students will also perform various cuts with the plasma cutter and cutting torch. Costs: the material cost for any personal project and students will be required to supply their own safety glasses. This is the first course in the Welding Academy. *All students enrolled in a Career Academy related to STS courses will be required to be a member of the Skills USA organization.

A919 Sem1 METALS II PreReq: Metals Tech I

Elective-Full Year; Grades 11-12. Prerequisite: Metals I. This course will include a more in-depth study of the lathe, mill, surface grinder, plasma cutter, and foundry, MIG, TIG, and SMAW welding. It will also include using the CNC plasma cutter. The student will have basic required projects as well as the opportunity to build projects on their own. Costs: material costs for personal projects and safety glasses. This is the intermediate course in the Welding Academy. Second semester of this course is the capstone for the Welding Academy. Career Academy students will have priority in scheduling. *All students enrolled in a Career Academy related to STS courses will be required to be a member of the Skills USA organization.

B919 Sem2 METALS II PreReq: Metals Tech I

2nd Semester continuation of A919

A925 Sem1 POWER AND ENERGY

Elective-Grades 10-12. This course will include the study of different types of engines, energy sources, and computer technology as it relates to this area. Power and energy derived from sources such as internal combustion, steam, mechanical, hydraulics, pneumatics, and water will be discussed and experimented with in the lab. Lab work will deal with small engine overhaul of a four-stroke cycle engine, output testing and repair of small engine subsystems, fluid power testing, as well as some problem solving activities related to power transmission. A discussion of the systems of the automobile will be discussed and some work in the automotive area will be incorporated into the class. We will discuss potential careers in the transportation industry as well as the types of transportation modes common to this area. This course serves as the introductory and intermediate course for the Automotive Career Academy. Although it is not required that students be enrolled in the Automotive Career Academy to enroll in this course, students are encouraged to do so. Career Academy students will have priority in scheduling.

*All students enrolled in a Career Academy related to STS courses will be required to be a member of the Skills USA organization.

B925 Sem2 POWER AND ENERGY

2nd Semester continuation of A925

Norfolk High School

Industrial Tech Ed

0911 WOOD WORKING TECH I

Elective-One Semester; Grades 9-12. This course provides a basic skill and understanding of the use of hand and power tools used in woodworking. This would be a valuable course for students interested in cabinet making, construction work, home maintenance, and consumer knowledge. The first six to eight weeks is spent in the classroom with the student required to master a certain amount of classroom work. After eight weeks, most of the time is spent making actual furniture. Costs: \$10-100 and beyond for projects. Introductory course for the Construction Career Academy. 9th grade students taking this course must also be enrolled in Exploring Industrial Technology.

*Students enrolled in a Career Academy related to STS courses will be required to be a member of the Skills USA organization.

A913 Sem1 WOOD WORKING TECH II PreReq: Wood Wrkng I & Perm

Elective-Grades 10-12. Prerequisite: Wood Working Tech I. This is a full-year course designed for those students who have a special interest in woodworking and desire to pursue advanced work in that area. Students will be given an opportunity to design and build custom pieces of furniture or cabinets. Students will also be introduced to construction theory and practices. Students will be required to progress on their own initiative making full use of their time and materials. Costs: \$10-\$100 and beyond for projects. This is the intermediate course for the Construction Career Academy. Although students are not required to sign up for the Construction Career Academy, they will be encouraged to do so. Career Academy students will have priority in scheduling.

*All students enrolled in a Career Academy related to STS courses will be required to be a member of the Skills USA organization.

B913 Sem2 WOOD WORKING TECH II PreReq: Wood Wrkng I & Perm

2nd Semester continuation of A913

Language Arts

A324 Sem1 AP LANGUAGE AND COMPOSITION PreReq: Eng 90%, Instr Perm

Grades 11-12. Prerequisite: 90% in most recent English course or special permission. This challenging course will require more time and effort than the standard class; however, it will give students an opportunity to earn college credit hours. High school course credit may be earned without passing the college national board exam. Students will primarily study individual works, works' diction, theme, literary devices, and rhetoric in nonfiction writing. Writing assignments will focus on the critical analysis of rhetorical devices and language and include exposition, persuasion, and research. A focus will be placed on students' understanding, development, and application of rhetorical skills. Any student not completing the full year of AP Language and Composition will not have the AP designation for the course on his transcript nor will he have his grade weighted for first semester; instead, the class will be listed as language and composition on the transcript. Students are encouraged to take the AP test at the end of the year. This course meets NCAA core course English requirement. This course partially fulfills the University of Nebraska English entrance requirement.

B324 Sem2 AP LANGUAGE AND COMPOSITION PreReq: Eng 90%, Instr Perm

2nd Semester continuation of A324

Norfolk High School

Language Arts

A325 **Sem1** **AP LIT/COMPOSITION** PreReq: Eng 90%, Instr Perm

Grades 11-12. Prerequisite: 90% in most recent English course or special permission. This course challenges students to complete college-level reading and writing and will require more time and effort than the standard class. Students will complete close reading and analysis of a variety of texts in various genres including short story, novel, drama, and poetry from various periods of literature. Students will be expected to participate in student-led class discussions on the reading. In addition to intensive reading, students will also be required to complete many writing assignments to respond to, analyze, and explicate texts read including at least one research paper. Analysis will include application of literary terms, rhetorical devices, diction, structure, theme, tone, historical/social/cultural influences, and critical theory through writing. Any student not completing the full year of AP Literature and Composition will not have the AP designation for the course on his transcript nor will he have his grade weighted for first semester; instead, the class will be listed as Literature and Composition on the transcript. This course meets NCAA core course English requirement.

B325 **Sem2** **AP LIT/COMPOSITION** PreReq: Eng 90%, Instr Perm

2nd Semester continuation of A325

A340 **Sem1** **COMPOSITION AND AMERICAN LIT**

Grade 11. Composition and American Literature is a full-year course that will include a study of composition, literature, grammar, and vocabulary. Students will demonstrate the ability to comprehend literature as well as use literary interpretation to respond to representative works written by American authors. Students will write various essays including persuasive, analytical, narrative, and research. Focus will be placed on writing argumentative essays. Students will use the MLA format for writing. This course meets NCAA core course English requirements and partially fulfills the University of Nebraska English entrance requirement.

B340 **Sem2** **COMPOSITION AND AMERICAN LIT**

2nd Semester continuation of A340

0320 **DEBATE**

Elective-One Semester; Grades 9-11. The debate course requires students to formulate opinions, research topics and debate the topics in various individual and group settings. Students are required to deliver speeches on multiple sides of topics to classmates. Special emphasis is placed on developing argumentation and communication skills. This course meets the Norfolk Public schools speech requirement. Meets NCAA core course English requirement.

A323 **Sem1** **ENGLISH 10**

Required-Grade 10. This course consists of improvement in close reading skills of identifying key ideas and details, analyzing the meaning and structure of texts, as well as evaluating the reasoning and arguments used by authors. Several genres of literature may be used for close reading including fiction, nonfiction, drama and poetry. The class puts an emphasis on organizing and writing the persuasive essay as well as addressing opposing argument within an essay. These skills of argumentation are not only applied to the students' own writing but students analyze these same skills in the writing of others. Units of grammar are a major emphasis of the class to improve skills required on the ACT. Meets NCAA core course English requirement. This course partially fulfills the University of Nebraska English entrance requirement.

B323 **Sem2** **ENGLISH 10**

2nd Semester continuation of A323

Norfolk High School

Language Arts

A303 Sem1 ENGLISH 9

Required-Grade 9. This course will consist of studies in literature, non-fiction, composition, research, and grammar. Literature units include a mix of novels, short stories, nonfiction and plays. Composition units focus on a process approach to writing emphasizing traits of good writing, proper grammar usage, skilled revision, and copy-editing skills. Introductory research skills and projects are also part of the curriculum. All units of study are created to help students work toward becoming efficient communicators and to develop a lifelong appreciation of literature. Meets NCAA core course English requirement.

B303 Sem2 ENGLISH 9

2nd Semester continuation of A303

A326 Sem1 ENGLISH COMP AND LIT (COMP) * PreReq: Eng 90%, ACT 18, P

Grades 11-12. Prerequisite: 90% in most recent English course, 18 in the English portion of the ACT or special permission. This challenging course will require more time and effort than the standard class; however, it will give students an opportunity to earn 3 college credit hours. The first semester of this dual credit course is designed to further develop proficiency in academic forms of composition. Students write a research paper utilizing MLA documentation, as well as a variety of essays which emphasize the importance of clarity, idea development, focus, organization, word choice, logic, fluency, and sentence construction. The process of planning, writing, revising, and editing writing is emphasized. Students may choose to obtain college credit for this course through Northeast Community College.

B326 Sem2 ENGLISH COMP AND LIT * PreReq: A326

Grades 11-12; Prerequisite A326. The second semester of this challenging course will require more time and effort than the standard class; however, it will give students an opportunity to earn an additional 3 college credit hours. The course content exposes students to the major genres and conventions associated with college level literature. It includes fiction, nonfiction, poetry, and drama. By employing critical reading and thinking skills, as well as analytical writing, students will understand literature more fully. Course materials include a wide range of authors representing a variety of cultural and ethnic backgrounds. Students may only choose to earn dual credit for second semester through Northeast Community College if they enrolled with the college for the first semester class.

A323H Sem1 HONORS ENGLISH 10 PreReq: See course description

This course is designed to challenge gifted students or high achievers in English by exploring course concepts and skills in greater depth or breadth. This course consists of improvement in close reading skills of identifying key ideas and details, analyzing the meaning and structure of texts, as well as evaluating the reasoning and arguments used by authors. Several genres of literature may be used for close reading including fiction, nonfiction, drama and poetry. The class puts an emphasis on organizing and writing the persuasive essay as well as addressing opposing argument within an essay. These skills of argumentation are not only applied to the students' own writing but students analyze these same skills in the writing of others. Units of grammar are a major emphasis of the class to improve skills required on the ACT. Students are introduced to higher-level ACT concepts in addition to those in English 10 to prepare those who wish to take the test earlier than their junior year. Meets NCAA core course English requirement. This course partially fulfills the University of Nebraska English entrance requirement. To enroll in English Honors 10, students must have earned at least a C in their last English class or have submitted a parent request.

B323H Sem2 HONORS ENGLISH 10 PreReq: See course description

2nd Semester continuation of A323H

Norfolk High School

Language Arts

0351 MYTHOLOGY & SCI FICTION

Elective-One Semester; Grades 11-12. The first part of this course will focus on world mythology. Students will study various mythologies from different cultures around the world. Some of the themes to be explored are the nature and purposes of myths, the common focus of myths, and the major perspectives of myths. The second part of this course will be spent on the study of the development of science fiction from the 18th century to the modern period. Students will be able to explore the themes and ideas found in various science fiction short stories and novels. This course meets NCAA core course English requirement. This course partially fulfills the University of Nebraska English entrance requirement.

0339 PRACTICAL COMM*

Composition class-One Semester; Grades 11-12. This course covers the fundamentals of business writing: description, narration, and persuasion. Students will undergo the process of writing their own employment and college resumes, completing the application process, applying for a job, learning proper interviewing skills, writing a business report, business letters, employability work samples and letters of application. The course will include a theme of the communication skills needed to work well with people. Students will leave the classroom with a resume portfolio that can be used for job or college applications. Meets NCAA core course English requirement. This course partially fulfills the University of Nebraska English entrance requirement.

0355 SPEECH

Required-One Semester; Grades 9-12. This course is an introduction to the processes and elements of human communication in face-to-face interaction. Topics include: topic selection, research, organization, verbal and nonverbal delivery, audience adaptation, listening and small group presentations. Students taking this course will present a variety of different speeches including an informative and persuasive speech. Meets NCAA core course English requirement. This course partially fulfills the University of Nebraska English entrance requirement.

0355D SPEECH *

Required-One Semester; Grades 9-12. This course is an introduction to the processes and elements of human communication in face-to-face interaction. Topics include: topic selection, research, organization, verbal and nonverbal delivery, audience adaptation, listening and small group presentations. Students taking this course will present a variety of different speeches including an informative and persuasive speech. Meets NCAA core course English requirement. This course partially fulfills the University of Nebraska English entrance requirement. Students who are 16 and older may choose to obtain college credit for this course through Northeast Community College.

A333 Sem1 YEARBOOK PRODUCTIONS

Elective-Grades 10-12. The yearbook staff covers the events and lives of students attending Norfolk High School. To join the staff, one should most importantly possess strong writing skills (preferably an A, B, or C in his or her English classes), time-management skills, social skills, problem-solving skills, and a strong work ethic. The Yearbook Staff will attend events, take pictures, design spreads, sell ads, and write stories. Students will work online to produce a high-quality yearbook. The class will also provide a great background in graphic design. Being a member of the yearbook staff has even more benefits: a yearbook with your name on the cover. Sign up to be a part of a historical (someday!) book.

B333 Sem2 YEARBOOK PRODUCTIONS

2nd Semester continuation of A333

0349 YOUNG ADULT NOVELS

Elective-One semester; Grades 11-12. This semester course includes a selection of contemporary novels from various authors. Themes such as suspense, sports, fantasy, relationships, and culture will be incorporated. Students will be expected to read, discuss, write, and actively participate in individual and group activities.

Norfolk High School

Mathematics

A107 **Sem1** **ALGEBRA 1** PreReq: Pre-Alg and Instr Pe

Grades 9-10. Prerequisite: Teacher recommendation and a successful completion of Pre-Algebra with at least a 70%. Algebra 1 is designed to utilize the concepts from basic mathematics and apply them in an abstract setting. Material presented will help prepare the learner for topics covered in higher levels of mathematics. The topics covered in this course are the following: problem solving, order of operations, variable expressions, properties of real numbers, solving linear equations, graphing linear equations and functions, writing linear equations, and solving linear inequalities, systems of linear equations and inequalities, exponential functions, quadratic equations and functions, polynomials and factoring, rational equations and functions, and radicals. This course meets one NCAA core course mathematics requirement and partially fulfills the University of Nebraska mathematics entrance requirement.

B107 **Sem2** **ALGEBRA 1** PreReq: Pre-Alg and Instr Perm

2nd Semester continuation of A107

A113 **Sem1** **ALGEBRA 2** PreReq: Alg I & Geom/InstrPerm

Grades 10-12. Prerequisites: Teacher recommendation. A successful completion of Algebra 1 and Geometry with at least a 70%. This course includes a review and extension of many of the topics learned in Algebra I. Course content includes the study linear functions, absolute value functions, systems of equations, quadratic functions, polynomial functions, exponential functions, rational functions, logarithmic functions, ACT prep and review. This course meets one NCAA core course mathematics requirement and partially fulfills the University of Nebraska mathematics entrance requirement.

B113 **Sem2** **ALGEBRA 2** PreReq: Alg I & Geom/InstrPerm

2nd Semester continuation of A113

A115 **Sem1** **ALGEBRA/TRIG** PreReq: Alg II & Instr Perm.

Elective-Grades 11-12. Prerequisite: Teacher recommendation. A successful completion of Algebra 2 with at least a 70%. This course includes concepts that were not mastered in Algebra II. This class will consist of approximately one semester of algebra and one semester of trigonometry. After successfully completing this course, students will be prepared for a college algebra, intermediate algebra, or trigonometry. This course meets one NCAA core course mathematics requirement and partially fulfills the University of Nebraska mathematics entrance requirement.

B115 **Sem2** **ALGEBRA/TRIG** PreReq: Alg II & Instr Perm.

2nd Semester continuation of A115

A119 **Sem1** **AP CALCULUS *** PreReq: PreCalc & Instr Perm.

Elective-Grade 12. Prerequisite: Teacher recommendation and successful completion of Pre-Calculus or Honors Pre-Calculus with at least a 78%. This course will cover all topics of AB level advanced placement calculus. AB level is equivalent to one semester of college calculus. Students who complete the course may take the Advanced Placement exam that could lead to college credit being granted. It is the student's responsibility to check with the college or university that he/she plans to attend as to whether the college or university will grant credit for the AP examination. Students may choose to earn dual credit for this course through Nebraska Wesleyan University. This course meets one NCAA core course mathematics requirement and partially fulfills the University of Nebraska mathematics entrance requirement. *Norfolk Senior High's grade weighting policy is in effect for this course.

B119 **Sem2** **AP CALCULUS *** PreReq: PreCalc & Instr Perm.

2nd Semester continuation of A119

Norfolk High School

Mathematics

A105 **Sem1** **FOUNDATIONS OF GEOMETRY** PreReq: Alg 1

Grades 10-12. Prerequisite: Teacher recommendation and a successful completion of Algebra 1 or Algebra 1 Block with at least a 70%. This course will study the fundamentals of Geometry. Angle relationships, perpendicular lines, parallel lines, planes, congruent triangles, polygons, circles, arcs, and angles are some of the topics covered.

B105 **Sem2** **FOUNDATIONS OF GEOMETRY** PreReq: ExtAlg A & B

2nd Semester continuation of A105

A109 **Sem1** **GEOMETRY** PreReq: Alg I & Instr Perm

Grades 9-12. Prerequisite: Teacher recommendation. A successful completion of two semesters of Algebra 1 with at least a 70. Geometry is designed to help strengthen the basic algebra skills, better understand the nature of math and show how Algebra and Geometry complement each other. The topics that are covered in Geometry include the following: inductive and deductive reasoning, basic geometric figures, formal reasoning and proof, perpendicular and parallel lines, congruent triangles, properties of triangles, quadrilaterals, transformations, similar figures, circles, right triangles, and trigonometric ratios, areas of polygons and circles, and surface area and volume. This course meets one NCAA core course mathematics requirement and partially fulfills the University of Nebraska mathematics entrance requirement.

B109 **Sem2** **GEOMETRY** PreReq: Alg I & Instr Perm

2nd Semester continuation of A109

A113H **Sem1** **HONORS ALGEBRA 2** PreReq: See course description

Elective-Grades 10-12. Prerequisite: At least an 86% in any previous high school Honors math course. At least a 94% in any previous high school non-Honors math course. Be recommended by the student's previous high school math teachers. In Honors Algebra 2, the traditional Algebra 2 curriculum has been both enriched and expanded. The topics that are covered in Honors Algebra 2 parallel the topics taught in Algebra 2. The topics covered include the following the study linear, quadratic, rational, radical, exponential, and logarithmic functions and their graphs. Other topics include operations with polynomials, characteristics of conic sections, operations with complex numbers, and the study of matrices. Additional emphasis is placed on solving challenging polynomial equations and trigonometric problems. Computers, graphing calculators, and dynamic mathematical software will be used to assist in the teaching and learning of concepts. Students will be expected to understand and explain the reasoning behind their problem solving strategies. Students will explore a variety of algebraic applications through projects assigned outside of the normal coursework. This course meets one NCAA core course mathematics requirement and partially fulfills the University of Nebraska mathematics entrance requirement. *Norfolk Senior High's grade weighting policy is not in effect for this course.

B113H **Sem2** **HONORS ALGEBRA 2** PreReq: See course description

2nd Semester continuation of A113H

Norfolk High School

Mathematics

A109H **Sem1** **HONORS GEOMETRY** PreReq: See course description

Elective-Grades 9-11. Prerequisite: At least an 86% in any previous high school Honors math course. At least a 94% in any previous high school non-Honors math course. Be recommended by the student's previous high school math teachers. In Honors Geometry, the traditional geometry curriculum has been both enriched and expanded. The topics that are covered in Honors Geometry parallel the topics taught in Geometry. The topics covered include the following: inductive and deductive reasoning, basic geometric figures, formal reasoning and proof, perpendicular and parallel lines, congruent triangles, properties of triangles, quadrilaterals, transformations, similar figures, circles, right triangles, and trigonometric ratios, areas of polygons and circles, and surface area and volume. More emphasis is placed on solving challenging geometric problems, and on formal proofs. Computers, graphing calculators, and dynamic geometry software will be used to assist in the teaching and learning of concepts. Students will be expected to understand and explain the reasoning behind their problem solving strategies. Students will explore a variety of geometric applications through projects assigned outside of the normal coursework. This course meets one NCAA core course mathematics requirement and partially fulfills the University of Nebraska mathematics entrance requirement. *Norfolk Senior High's grade weighting policy is not in effect for this course.

B109H **Sem2** **HONORS GEOMETRY** PreReq: See course description

2nd Semester continuation of A109H

A117H **Sem1** **HONORS PRE-CALCULUS *** PreReq: See course description

Elective-Grades 11-12. Prerequisite: At least an 86% in Honors Algebra 1 and Honors Geometry, and at least a 94% in Honors Algebra 2. At least a 94% in Algebra 1, Geometry, and at least a 97% in Algebra 2 and must be recommended by the student's previous high school math teachers. In Honors Pre-Calculus, the traditional Pre-Calculus curriculum has been both enriched and expanded. The topics that are covered in Honors Pre-Calculus parallel the topics taught in Pre-Calculus. The topics covered include the following: graphing and solving polynomial, exponential, logarithmic, and trigonometric functions and equations. Sequences and series, conic sections, parametric equations, limits, and other topics will be covered as time allows. Additional emphasis is placed on solving challenging problems. Computers, graphing calculators, and dynamic mathematical software will be used to assist in the teaching and learning of concepts. Students will be expected to understand and explain the reasoning behind their problem solving strategies. Students will explore a variety of algebraic applications through projects assigned outside of the normal coursework. Students may choose to obtain dual credit for this course through Northeast Community College. This course meets one NCAA core course mathematics requirement and partially fulfills the University of Nebraska mathematics entrance requirement. *Norfolk Senior High's grade weighting policy is not in effect for this course.

B117H **Sem2** **HONORS PRE-CALCULUS *** PreReq: See course description

2nd Semester continuation of A117H

A117 **Sem1** **PRECALCULUS *** PreReq: Alg II & Instr Perm.

Elective-Grades 11-12. Prerequisite: Teacher recommendation and at least a 86% in Algebra 2 or at least an 78% in Honors Algebra 2. This course is a continuation of mathematics beyond Algebra 2. Many topics already covered will be discussed in more detail along with new topics. Content will include graphing and solving polynomial, exponential, logarithmic, and trigonometric functions and equations. Sequences and series, conic sections, and other topics will be covered as time allows. Numerical, graphical, and analytical approaches to problems will be stressed. Students may choose to obtain dual credit for this course through Northeast Community College. Norfolk Senior High's grade weighting policy is not in effect for this course. This course meets one NCAA core course mathematics requirement and partially fulfills the University of Nebraska mathematics entrance requirement.

B117 **Sem2** **PRECALCULUS *** PreReq: Alg II & Instr Perm.

2nd Semester continuation of A117

Norfolk High School

Mathematics

A121 **Sem1** **PROBABILITY AND STATISTICS *** PreReq: Alg II or PreCalc

Elective-Grade 12. Prerequisite: Teacher recommendation and successful completion of Algebra II or Algebra/Trigonometry with at least a 78% or Pre-Calculus with at least a 70%. In an increasingly technological world, the ability to employ quantitative methods and data analysis has become a vital skill. Most majors now require at least one college course in statistics, particularly majors in business/economics, social/political sciences, medicine, agriculture, psychology, education, and criminal justice. The purpose of Probability and Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions about data. The course is built around three major topics: (a) data analysis which is the gathering, display, and summary of data, (b) probability which is a study of the laws of chance, and (c) statistical inference which is the science of drawing conclusions from specific data. Probability and Statistics emphasizes the conceptual understanding of fundamental ideas and is calculator and computer based. Students may choose to obtain dual credit for this course through Northeast Community College. This course meets one NCAA core course mathematics requirement and partially fulfills the University of Nebraska mathematics entrance requirement.

B121 **Sem2** **PROBABILITY AND STATISTICS *** PreReq: Alg II or PreCalc

2nd Semester continuation of A121

A114 **Sem1** **TECHNICAL MATHEMATICS *** PreReq: Instr Perm, Geometry

Grades 11-12. Prerequisite: Teacher recommendation and successful completion of Geometry or Foundations of Geometry with at least a 70%. This course begins the development of math skills for success in specific vocational/technical fields with major emphasis on problem solving through numerical methods using a scientific calculator. The major topics include numeration and operations, measurement, number representation, and formulas. Also included are topics to develop pre-algebra skills for success in occupations that will later require algebra skills. These topics include ratio and proportion, percent, signed numbers, and an introduction to algebra. This class is designed for students who plan to pursue careers in agriculture, air conditioning, building construction, drafting, electronics, fire science, industrial maintenance, utility line, and welding/machinist. This class DOES NOT meet the NCAA core course mathematics requirement and DOES NOT partially fulfill the University of Nebraska mathematics entrance requirement. Students may choose to obtain college credit for this course through Northeast Community College.

B114 **Sem2** **TECHNICAL MATHEMATICS *** PreReq: Instr Perm, Geometry

2nd Semester continuation of A114

Physical Education

A621 **Sem1** **ADV STRNGTH TRAINING & COND** PreReq: Beg Str Trng

Elective. This class fulfills the Physical Education graduation requirement. Prerequisite: 10 Credits of Beginning Strength Training & Conditioning. A pass / fail class. Advanced Strength Training and Conditioning Class meets daily in the Fitness Center. The class is designed for those students who have successfully completed 10 credits of Beginning Weight Training. Class participants are expected to be prepared and participate daily. Students undergo a battery of physical tests including vertical jump, 10 yard sprint, pro agility, etc. Emphasis will be placed on safety, use of proper lifting techniques, establishing workout routines and record keeping. Class participants will be involved in physical conditioning and activities that will help improve flexibility, coordination, footwork, power and strength for all sports activities. All students will be provided a structured lifting program and are expected to follow that program. If you enjoy physical challenges, occasionally sore muscles as well as improved athletic fitness this is the class for you.

B621 **Sem2** **ADV STRNGTH TRAINING & COND** PreReq: Beg Str Trng

2nd Semester continuation of A621

Norfolk High School

Physical Education

A617 Sem1 AEROBICS

Elective-Grades 9-12. This class fulfills the Physical Education graduation requirement. Aerobics is a pass/fail class which meets daily during the semester. This class provides students the opportunity to improve overall aerobic fitness using various methods. Students will be introduced to all dimensions of personal health and fitness. Students will sweat during this the class! Students will create workouts and may present them to the class. Students are graded on daily participation, effort/work ethic, following class procedures/workout directions, individual workout presentations, as well as other assignments and projects throughout the semester. Fitness levels will be tested two times a semester through Fitness Gram. Students will be evaluated on curl-ups, pushups, pacer, height, weight, and body fat percentage.

B617 Sem2 AEROBICS

2nd Semester continuation of A617

A619 Sem1 BEGINNING STRNGTH TRAIN & COND

Elective. This class fulfills the Physical Education graduation requirement. A pass / fail class, Beginning Strength Training and Conditioning Class meets daily in the Fitness Center. The class is designed for beginning weight training students. Class participants are expected to be prepared and participate daily. Students undergo a battery of physical tests including vertical jump, 10 yard sprint, pro agility, etc. Emphasis will be placed on safety, use of proper lifting techniques, establishing workout routines, improving testing scores and record keeping. Class participants will be involved in physical conditioning and general skills activities that will help improve flexibility, coordination, footwork, power and strength for all sports activities. All students will be provided a structured lifting program and are expected to follow that program. Free weights, machines and other workout instruments will be incorporated into each student's workout routines. If you enjoy physical challenges, occasionally sore muscles as well as improved athletic fitness this is the class for you.

B619 Sem2 BEGINNING STRNGTH TRAIN & COND

2nd Semester continuation of A619

A615 Sem1 LIFETIME FITNESS

Elective-Grades 9-12. Lifetime Fitness meets daily during the semester. In this pass/fail class the student has the opportunity to improve overall fitness using various methods. Students will be introduced to all dimensions of personal fitness, including diet, exercise, and mental well-being. Students will be expected to dress out in appropriate workout attire and participate daily. Students will participate in exercise activities, group activities, and in class discussions focusing around health concepts addressed by the instructor. Students will create a personal fitness workout for presentation. Fitness levels will be tested two times a semester utilizing the Fitness Gram. Students will be evaluated on curl-ups, push-ups, and the pacer. We will measure height, weight, and body fat percent. Students are graded on willingness to participate and workout presentations. This course fulfills the student's physical education requirements for graduation.

B615 Sem2 LIFETIME FITNESS

2nd Semester continuation of A615

A613 Sem1 TEAM & INDIVIDUAL SPORTS

Elective-Grades 9-12. In this pass / fail class students will participate in a competitive atmosphere, designed to educate students in individual sports as well as team competition while working in a team setting. Students will learn the history, origin, rules and etiquette of each activity participated in. Tests and written assignments will be part of the grading, along with the student's willingness to participate and sportsmanship. Activities will include the following Football, Basketball, Volleyball, Soccer, Softball Archery, Lacrosse, Team Handball, Ultimate Frisbee, and Racket Sports, to mention a few. This course fulfills the student's physical education requirements for graduation. Fitness levels will be tested two times a semester utilizing the Fitnessgram. Students will be tested on curl-ups, pushups, pacer, height, weight, and body fat per cent. Students are expected to dress out every day and work to the best of their ability.

Norfolk High School

Physical Education

B613 **Sem2** **TEAM & INDIVIDUAL SPORTS**

2nd Semester continuation of A613

Science

A219 **Sem1** **AP BIOLOGY *** PreReq: Biology & Instr Perm.

Elective-Grades 11-12. Prerequisite: Successful completion of Biology and Chemistry and AP Biology instructors' permission. Concurrent enrollment in Chemistry is acceptable. Advanced Placement Biology is a college-level introductory biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes (energy and communication, genetics, information transfer), ecology and biological system interactions. This course requires hands-on laboratory work, with an emphasis on inquiry based investigations that provide students with opportunities to apply the science practices. Students will be expected to complete readings, course work, and projects outside of class. Students who complete this course may take the Advanced Placement exam that could lead to college credit being granted. It is the student's responsibility to check with the college or university that he/she plans to attend as to whether the institution will grant credit for the AP exam. Students may choose to obtain college credit for this course through Nebraska Wesleyan University. Meets NCAA core course natural/physical science requirement. This course partially fulfills the University of Nebraska natural science entrance requirement

B219 **Sem2** **AP BIOLOGY *** PreReq: Biology & Instr Perm.

2nd Semester continuation of A219

A221 **Sem1** **AP CHEMISTRY** PreReq: Chem & Instr Perm.

Elective-Grades 11-12. Prerequisite: Chemistry and AP Chemistry instructor's permission. AP Chemistry is a second year of high school chemistry that will generally follow the AP curriculum guide and will rely heavily on experimentation, analyzing experimental data, problem solving, and abstract reasoning. Many of the topics covered in Chemistry I are repeated with a greater emphasis on detail and understanding. Students who complete the course may take the Advanced Placement exam that could lead to college credit being granted. It is the student's responsibility to check with the college or university that he/she plans to attend as to whether the college or university will grant credit for the AP examination. Meets NCAA core course natural/physical science requirement. This course partially fulfills the University of Nebraska natural science entrance requirement.

B221 **Sem2** **AP CHEMISTRY** PreReq: Chem & Instr Perm.

2nd Semester continuation of A221

A211 **Sem1** **BIOLOGY**

Required-Grade 10 or Grade 9-with Biology instructors' permission. Biology is the study of life. This course studies life at all levels, from the cell to ecology. It will discuss the nature of science, the cell, genetics' change over time and the diversity of life. This class is designed to meet the needs of individuals living in the scientifically oriented world of today. Meets NCAA core course natural/physical science requirement. This course partially fulfills the University of Nebraska natural science entrance requirement.

B211 **Sem2** **BIOLOGY**

2nd Semester continuation of A211

Norfolk High School

Science

0737 CERTIFIED NURSE ASST *

Elective-One Semester; Grades 11-12. This course will include basic patient care, an introduction to aging and disability, personal hygiene, body activity skills, fire prevention, and safety. The program will train students in the knowledge and skills necessary to administer responsible health care to the ill and aged in nursing facilities, long-term care facilities, and assisted care facilities under qualified supervision. Students completing this course and successfully completing a written and practical exam are prepared for employment as nursing assistants in hospitals and/or extended care facilities. Cost: Required textbook approximately \$50. This class is the NURA 1110 class for 3 credit hours from NECC. This class must be taken for dual credit and is the capstone course in the Health Sciences Career Academy. Career Academy students will have priority in scheduling.

A213 Sem1 CHEMISTRY PreReq: AlgI-II or cur Alg II

Elective-Grades 10-12. Chemistry is designed to be a general introductory course in chemistry. The content of this course is divided into five units of study: the study of matter, mass and energy; the actions of individual atoms and molecules (gas laws); chemical bonding and molecular structure; atomic structure; and chemical reactions including stoichiometry, equilibrium, acids, and bases. The course should appeal to the serious science student who has successfully completed Algebra I and II or currently enrolled in Algebra II. Meets NCAA core course natural/physical science requirement. This course partially fulfills the University of Nebraska natural science entrance requirement.

B213 Sem2 CHEMISTRY PreReq: AlgI-II or cur Alg II

2nd Semester continuation of A213

A218 Sem1 ENVIRONMENTAL SCIENCE

Elective-Grades 11-12. This course is designed to build student awareness of the physical, ecological, and social principles of environmental science. The scientific method is used to analyze and understand the relationships between humans and the natural environment. The course will use a hands-on approach to science by using interactive laboratories. These interactive labs are designed to build an appreciation of the environment. The course covers: Earth's Systems, Human Population, Natural Resources, Environmental Quality, Global Changes, and Environment and Society. Meets NCAA core course natural/physical science requirement. This course partially fulfills the University of Nebraska natural science entrance requirement.

B218 Sem2 ENVIRONMENTAL SCIENCE

2nd Semester continuation of A218

A217 Sem1 HUMAN ANATOMY & PHYSIOLOGY PreReq: Biology

Elective-Grades 10-12. Prerequisite: Biology and AP instructor's permission. This is the study of the structure and function of the human organism. The course develops from an extensive study of tissues leading into the study of the various systems of the human body. There are many additional short sections of the course dealing with subsidiary studies such as genetics, disease, nutrition, exercise, etc. This course provides an excellent background for any field related with the medical sciences, such as doctor, nurse, lab technician, physical therapist, veterinary science, etc. The course allows students to investigate the human body through interactions of the systems for individual interest in this area of study but not leading to a medical career. Meets NCAA core course natural/physical science requirement. This course partially fulfills the University of Nebraska natural science entrance requirement. This is the core class for the Medical Academy. **Chemistry is not required but it is strongly advised to have already taken the course or be presently enrolled.

B217 Sem2 HUMAN ANATOMY & PHYSIOLOGY PreReq: Biology

2nd Semester continuation of A217

Norfolk High School

Science

0735 **MEDICAL TERMINOLOGY *** PreReq: Biology

Elective-One Semester; Grades 11-12. Prerequisite: Biology. Medical Terminology provides basic knowledge of medical terms used in the health profession. Learn to decipher and build medical terms by using the Latin and Greek root words, prefixes, and suffixes. The class practices proper pronunciation and use of medical terms. This class will provide an excellent foundation to anyone interested in a medical career. This course is the second course for the Health Science Academy. Students may take the class for dual credit at Northeast Community College. Career Academy students will have priority in scheduling.

0738 **MEDICATION AIDE *** PreReq: CNA

Elective-One Semester; Grade 12. Prerequisite CNA Class. This course is designed to prepare you to meet the requirements of the Medication Aide Act and the responsibilities of the medication aide in an assisted living facility and/or a nursing facility. This course includes information regarding medication administration, pharmacology, rules and regulations, classification of drugs, orders, storage, abbreviations, and an overview of commonly used drugs and documentation. Cost: Required textbook approximately \$50. This class is the Medication Aide class for 3 credit hours from NECC. This class must be taken for dual credit and is part of the Health Sciences Career Academy. Student must be 18 years old by the end of the class.

A201 **Sem1** **PHYSICAL SCIENCE**

Required-Grade 9. Physical Science is an integrated science that includes chemistry, physics and earth science concepts. Students taking Physical Science will gain a better understanding of the world around them. There are two main branches of Physical Science- Chemistry and Physics. Chemistry involves the study of what substances are made of and how they change and interact. Physics is the study of forms of energy and motion. Earth science will develop a scientific understanding of Earth's system and its response to natural or human-induced changes. Units in the courses will include: Matter-Building Blocks of the Universe, Chemistry of Matter, Motion, Forces and Energy, Electricity, Sound and Light, Geology, Stars and Galaxies, Ocean Currents, Atmosphere, and the Energy Cycle. Meets NCAA core course science requirements. This course partially fulfills the University of Nebraska science entrance requirement.

B201 **Sem2** **PHYSICAL SCIENCE**

2nd Semester continuation of A201

A215 **Sem1** **PHYSICS** PreReq: Alg II

Elective-Grades 10-12. Prerequisite: Students need to be enrolled in or need to have completed Algebra II. This is a fundamental physics course. It is designed to be an introduction to the general field of physics. Topics investigated include motion in one and two dimensions, Newton's laws, work and energy, and momentum and collisions. This course emphasizes physics concepts, laboratory investigations and mathematical applications. It is a college preparation course. A solid background in algebra is necessary for successful participation in the course. This course meets the NCAA core course natural/physical science requirement. This course partially fulfills the University of Nebraska science entrance requirement.

B215 **Sem2** **PHYSICS** PreReq: Alg II

2nd Semester continuation of A215

Norfolk High School

Social Science

A001 Sem1 AMERICAN HISTORY I

Required-Grade 9. This class is an overview of global history with an emphasis on the American perspective. It is presented from the Middle Ages to the end of the Civil War. Units of study include: Middle Ages, Global Empires, Renaissance, Reformation, the Age of Discovery, the American Colonial Period, the Revolutionary Period, the Early National Period, the Industrial Revolution, and the Civil War. Within these topics geography, civics, economics, and government are covered in context. Meets NCAA core course social studies requirement.

B001 Sem2 AMERICAN HISTORY I

2nd Semester continuation of A001

A003 Sem1 AMERICAN HISTORY II

Required-Grade 10. This course is the second year sequence of American History, the first year being provided in the ninth grade. The course covers the period of American History from 1896 to the present. This course is problem centered with special emphasis on the social, political, and economical problems of the twentieth century. Geography and its influence on American history also receive special attention. The course is designed to promote skills in critical thinking, group discussion, panel discussion, map reading, effective writing, and research skills. Meets NCAA core course social science requirement. This course partially fulfills the University of Nebraska social studies entrance requirement.

B003 Sem2 AMERICAN HISTORY II

2nd Semester continuation of A003

A007 Sem1 AP GOVERNMENT & POLITICS* PreReq: Instr Permission

Elective-Grades 11-12. (Grade 11 receives preference); Prerequisite: Referral of American History instructor and instructor's permission; This course is an Advanced Placement course in Government and Politics. It is primarily designed to prepare students for active participation in the government of the United States. In addition, it will provide the skills necessary to do well on the Advanced Placement Government and Politics test. Students who successfully complete the course will be ready to be active in governing the country. Please note that this class is conducted at college level. There are challenging reading and writing assignments in addition to interactive simulations. Students should be prepared to analyze and produce high-quality political writing that reflects critical thinking about national and global events from a various points of view. Students will frequently be asked to defend a position or perform a role related to the government. After passing the class and the AP Government and Politics test, students will be able to apply to their college or university for social science credit.

Students may choose to obtain college credit for this course through Wayne State College.

B007 Sem2 AP GOVERNMENT & POLITICS* PreReq: Instr Permission

2nd Semester continuation of A007

A008 Sem1 AP UNITED STATES HISTORY * PreReq: Instr Perm & AmHist I

Elective-Grades 10-12. This class meets the requirement for American History II. This course is an Advanced Placement course in American History. It is primarily designed to teach students the details of American History. In addition, it will provide the skills necessary to do well on the Advanced Placement American History test. Please note that this class is conducted at college level, and students may choose to register for credit from Wesleyan University or earn credit by passing the AP exam. Reading and writing assignments will be challenging, and the class includes interactive simulations and group learning. Students should be prepared to analyze and produce high-quality written projects that reflect critical thinking about national American historical events from various points of view. Students will frequently be asked to defend a position during simulations of events. Students may choose to obtain college credit for this course through Nebraska Wesleyan University.

B008 Sem2 AP UNITED STATES HISTORY * PreReq: Instr Perm & AmHist I

2nd Semester continuation of A008

Norfolk High School

Social Science

0009 GOVERNMENT

Required-One Semester; Grade 11. This course involves the study of American political behavior. Its purpose is to help you, the student, better understand the government and the processes of governing so you may better be able to influence the governments in which you live today and tomorrow. You will study the foundations of the American system of government. You will look at its origins and development, the basic concepts of the Constitution, and the structure of the American federal system. Students will participate in discussions and debates about current national and world events. Meets NCAA core course social science requirement. This course partially fulfills the University of Nebraska social studies entrance requirement.

A005 Sem1 INTRO TO PSYCHOLOGY *

Elective-Grades 11-12. This is a dual credit class offered in conjunction with NECC. A Norfolk Senior High instructor will teach this course using NECC's college level psychology course outline. Students will have the option at the beginning of the class to pay tuition and receive dual credit from Norfolk Senior High and NECC. Upon successful completion of this full year course, students will receive three college credits in PSY 1810 General Psychology from NECC and 10 high school credits from Norfolk Senior High. This course will be a study of human behavior and mental processes. Topics include: theoretical approaches, development, biological foundations, learning, perception, emotions, motivation, social behavior, abnormal behavior, and approaches to therapy. Norfolk Senior High's grade weighting policy is not in effect for this class. Meets NCAA core course social science requirement. Students may choose to obtain college credit for this course through Northeast Community College.

B005 Sem2 INTRO TO PSYCHOLOGY *

2nd Semester continuation of A005

0013 INVESTIGATING HISTORY

Elective-One Semester; Grades 11-12. This course provides an in-depth look at individuals and important (and sometimes unusual) events that have shaped the world and the United States. The class will focus on subjects that were just briefly covered in American History and World Cultures, giving the student a much deeper look and understanding of each event. The purpose of the class will be to make History come alive for the students while promoting critical thinking skills by addressing subjects of interest to the students.

0017 PSYCHOLOGY I

Elective-One Semester; Grades 11-12. This course is designed to give first year psychology students a workable knowledge of the terms, ideas, and theories involved in psychology. We explore psychological methods, how behavior develops, the effects of biological influences on behavior, methods for measuring personality, intellectual ability, and principles of learning. Experiments and classroom discussion are a major portion of the classroom work. Meets NCAA core course social science requirement. This course partially fulfills the University of Nebraska social science entrance requirement.

0015 SOCIOLOGY

Elective-One Semester; Grades 11-12. Sociology/Social Problems is a social science course concerned with the systematic study of human society. It is one of our major sources of self-awareness in the twentieth century and beyond. The main purpose of the sociology part of this course is to offer the students the sociological framework as a set of tools for making sense of the social world and understanding their own life by seeing more clearly its connection with the lives of others in a shared social environment. The Social Problems part of this course is a critical over-view of the problems that face our society today, especially adolescents. Through discussion, video, and research students will develop strategies to save the family, reduce crime, develop cultural awareness, examine sex and gender issues and study the growing problems associated with drugs. Meets NCAA core course social science requirement. This course partially fulfills the University of Nebraska social studies entrance requirement.

Norfolk High School

Social Science

0011	WORLD CULTURES
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Required-One Semester; Grade 11. This course will cover what is culture and create an understanding of what ethno-centric views are. It will cover the history, geography, languages, religions, contributions, key figures, and the present state of the Asian, African, Hispanic, Native American, and European cultures. World Cultures will give the student the ability to understand how the cultures developed and how all of these cultures interact with each other today. Meets NCAA core course social science requirement. This course partially fulfills the University of Nebraska social studies entrance requirement.

0012	WORLD HISTORY
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Elective-One Semester; Grades 11-12. This one semester class is a study of history that interprets and evaluates the contribution of world civilizations from ancient times to 1700. Topics covered will include the economic, social political, and religious developments of: Early Civilizations and the civilizations of India, China, Greece, Rome, Asia, Europe, the Islamic World, Africa, the Americas