

# **HOLTON HIGH SCHOOL**

## ***2011-2012***

### ***CURRICULUM GUIDE***



#### **Administrators**

Superintendent: Nancy Meyer  
Principal: Rod Wittmer  
Athletic Director: Mitch Beims  
Counselors: Susan Rhule, Traci Frazier

#### **Contact Information**

School Phone #: 785-364-2181  
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#### **Mission Statement**

To provide all students with a basic foundation of knowledge, attitudes, and skills necessary for successful life long learning.

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## **USD # 336 - GRADUATION REQUIREMENTS (BOE approved 5-11-98)**

A student shall be eligible for graduation from Holton High School upon successful completion of the 16 required units plus 11 elective units for class of 2008 and beyond. (27 total credits required)

### **HHS GRADUATION REQUIREMENTS FOR 2008 & BEYOND**

3 units of English  
1 unit of Language Arts  
3 units of Math (Algebra I and 2 addtl)  
3 units of Science (earth & space, biology, and 1 addtl)  
3 units of Social Sciences (Civ/W. History, American history, gov. and 1 addtl)  
1 unit of Fine Arts  
1 unit of Physical Education & Health  
1 unit of Computer Application and Technology  
11 elective credits

Allowance may be made for students in programs such as Washburn Tech as one or two less credits are attainable (i.e. one year Washburn Tech= 26.5 credits required and two years Washburn Tech =26 credits required)

### **CLASS RANK**

Effective with the class of 2011, Valedictorian and Salutatorian is determined by the following criteria with coursework based on Kansas Scholars Curriculum:

#### **Summa Cum Laude**

4.0 GPA or higher on all classes  
ACT-30 or above  
2 AP courses OR 1 AP course and 2 honors courses (*pending approval*)  
Exemplary on all state assessments

#### **Magna Cum Laude**

3.95 GPA on all classes  
ACT-28 or above  
1 AP course  
Minimum of Exemplary on one state assessment & exceeds standards on all others

#### **Cum Laude**

3.85 GPA on all classes  
ACT-26 or above  
1 AP course  
Exceeds Standards on all state assessments

**For Qualified Admissions and Kansas Scholars Curriculum, please go to the following website:**

[http://www.kansasregents.org/ga\\_requirements](http://www.kansasregents.org/ga_requirements)

**For NCAA qualifications, please go to the following website:**

[https://web1.ncaa.org/eligibilitycenter/hs/d1\\_standards.pdf](https://web1.ncaa.org/eligibilitycenter/hs/d1_standards.pdf)

## FRESHMEN COURSE OFFERINGS

(\* needs application or instructor's permission)

### **Ag Education**

1 unit Agriscience Exploration

### **Business and Communications**

.5 Business Essentials (2<sup>nd</sup> semester)

.5 Entrepreneurship (1<sup>st</sup> semester)

1 unit Computer Apps & Tech (required)

### **Family and Consumer Sciences**

1 unit Intro to Human Services

### **Fine Arts**

1 unit of Art 1

1 unit of Oral Composition

1 unit of HHS Singers

1 unit of HHS Chamber Choir \*

.5 unit of Music for the Stage \* (1<sup>st</sup> semester)

1 unit of Band

1 unit of Percussion

1 unit of Jazz Band

1 unit of Intro to Communications \*

1 unit of Music Exploration

### **Language Arts**

1 unit English 9 or Honors English 9 (required)

### **Mathematics**

1 unit Essentials for Algebra \*

1 unit Algebra 1 or Honors Algebra I

1 unit Geometry or Honors Geometry

### **Miscellaneous**

Tutor (no credit) \*

### **Physical Education and Health**

1 unit of PE & Health (required)

### **Social Sciences**

.5 unit Civics (1<sup>st</sup> semester)

.5 unit World History (2<sup>nd</sup> semester)

### **Science**

1 unit Earth & Space (required)

1 unit Biology

### **Special Education**

1 unit Study Skills (IEP required)

### **World Language**

1 unit of Spanish I

## **SOPHOMORE COURSE OFFERINGS**

(\* needs application or instructor's permission)

### **Ag Education**

- 1 unit Ag Mechanics
- 1 unit Ag Leadership & Communications

### **Business & Communications**

- .5 Entrepreneurship (1<sup>st</sup> semester)
- .5 Business Essentials (2<sup>nd</sup> semester)
- 1 unit Computer Apps & Tech
- 1 unit Accounting
- 1 unit Banking & Finance

### **Family and Consumer Sciences**

- .5 unit Human Growth and Dev (1<sup>st</sup> semester)
- .5 unit Foods and Nutrition (2<sup>nd</sup> semester)
- .5 unit Nutrition & Wellness (1<sup>st</sup> semester)
- .5 unit Family Studies (2<sup>nd</sup> semester)

### **Fine Arts**

- 1 unit Art 1 (1<sup>st</sup> year)
- 1 unit Art 2 & 3 (2<sup>nd</sup> year)
- 1 unit Graphic Design
- 1 unit Advanced Graphic Design
- 1 unit Crafts 1 & 2
- .5 unit Creative Writing
- .5 unit Films as Literature
- 1 unit Oral Composition
- 1 unit HHS Singers
- 1 unit HHS Chamber Choir \*
- 1 unit Notables
- .5 unit Music for the Stage \* (1<sup>st</sup> semester)
- 1 unit Band
- 1 unit Percussion
- 1 unit Jazz Band
- 1 unit Intro to Communications \*
- 1 unit Computer Graphics Journalism\*
- 1 unit Music Exploration
- 1 unit Telecomm & Multimedia
- 1 unit Multimedia Productions

### **Language Arts**

- 1 unit English 10
- 1 unit Honors English 10
- 1 unit English 9
- 1 unit Mod English (must have IEP)

### **Mathematics**

- 1 unit Algebra 1
- 1 unit Geometry
- 1 unit Honors Geometry
- 1 unit Algebra 2
- 1 unit Honors Algebra 2
- 1 unit Math Standards
- 1 unit Mod Math (must have IEP)
- 1 unit Essentials of Algebra

### **Miscellaneous**

- Tutor (no credit) \*
- 1 unit CBE (must have IEP)
- 1 unit Study Skills (must have IEP)
- 1 unit On-line Course

### **Physical Education**

- 1 unit PE & Health
- 1 unit Advanced PE
- 1 unit Lifetime Fitness

### **Science**

- 1 unit Biology
- 1 unit Chemistry or Honors Chemistry
- 1 unit Animal Science
- 1 unit Environmental Science
- 1 unit Earth & Space Science
- 1 unit Mod Biology (must have IEP)

### **Social Sciences**

- .5 unit Civics (1<sup>st</sup> semester)
- .5 World History (2<sup>nd</sup> semester)
- 1 unit AP Human Geography

### **World Language**

- Spanish 1
- Spanish 2

## JUNIOR COURSE OFFERINGS

(\* needs application or instructor's permission)

### **Ag Education**

1 unit Ag Mechanics  
1 unit Ag Welding  
1 unit Ag Leadership and Comm

### **Business & Communications**

1 unit Accounting  
1 unit Advanced Accounting  
1 unit Banking & Finance  
.5 unit Entrepreneurship (1<sup>st</sup>)  
.5 unit Business Essentials (2<sup>nd</sup>)  
1 unit Computer Apps & Tech

### **Family & Consumer Science**

.5 unit Human Growth and Development (1<sup>st</sup>)  
.5 unit Family Studies (2<sup>nd</sup>)  
.5 unit Nutrition and Wellness (1<sup>st</sup>)  
.5 unit Foods and Nutrition (2<sup>nd</sup>)  
.5 unit Consumer Education (1<sup>st</sup> or 2<sup>nd</sup>)

### **Fine Arts**

1 unit Art 1 (1<sup>st</sup> year)  
1 unit Graphic Design 1 & 2  
1 unit Advanced Graphic Design  
1 unit Crafts 1 & 2  
.5 or 1 unit Advanced Crafts  
.5 unit Films as Literature  
.5 unit Creative Writing  
1 unit Oral Composition  
1 unit Intro to Communications \*  
1 unit Comp Graphics Journalism  
1 unit Telecom & Multimedia  
1 unit Adv Telecom & Multimedia  
1 unit Multimedia Productions 1 & 2  
1 unit HHS Singers  
1 unit Chamber Choir \*  
1 unit Notables \*  
.5 unit Music for the Stage \*  
1 unit Band  
1 unit Jazz Band  
1 unit Percussion  
1 unit Music Exploration  
1 unit Art 2 & 3 (2<sup>nd</sup> year)  
1 unit Advanced Art (3<sup>rd</sup> year)

### **Language Arts**

1 unit English 11  
1 unit Honors English 11  
1 unit English 10  
1 unit English 9  
1 unit AP Literature & Composition  
1 unit Mod English (must have IEP)

### **World Language**

1 unit Spanish 1  
1 unit Spanish 2  
1 unit Spanish 3

### **Mathematics**

1 unit Algebra 1  
1 unit Geometry  
1 unit Honors Geometry  
1 unit Algebra 2  
1 unit Honors Algebra 2  
.5 or 1 unit Pre-Calculus  
.5 unit College Algebra (2<sup>nd</sup>)  
1 unit AP Calculus  
1 unit Consumer Math  
1 unit Math Standards  
1 unit Mod Math (must have IEP)

### **Miscellaneous**

1 unit Teacher's Aide \*  
1 unit Library Aide \*  
1 unit Technical Assistant \*  
1 unit Sports Technical Media Productions \*  
Tutor (no credit)  
.5 or 1 unit On-Line Course  
.5 unit College Public Speaking (2<sup>nd</sup>)  
.5 unit College Psychology (2<sup>nd</sup>)  
1 unit CBE (must have IEP)  
1 unit Study Skills (must have IEP)  
3 units Washburn Institute of Technology

### **Physical Education**

1 unit PE & Health  
1 unit Advanced PE  
1 unit Lifetime Fitness

### **Science**

1 unit Biology  
1 unit Anatomy & Physiology  
1 unit Chemistry or Honors Chemistry  
1 unit Earth & Space Science  
1 unit Physics  
1 unit Environmental Science  
1 unit Animal Science  
1 unit Horticulture 2  
1 unit Mod Science (must have IEP)

### **Social Sciences**

1 unit American history  
.5 unit Sociology  
.5 unit Psychology  
.5 unit World History  
.5 unit Civics  
.5 unit Criminal Justice (1<sup>st</sup>)  
.5 unit Civil Law (2<sup>nd</sup>)  
.5 unit Economics  
1 unit AP Human Geography  
1 unit Mod American History (must have IEP)

## SENIOR COURSE OFFERINGS

(\* needs application or instructor's permission)

### **Ag Education**

1 unit Ag Mechanics  
1 unit Ag Welding  
1 unit Ag Leadership and Comm  
1 unit Ag OJT \*  
1 unit Ag Fabrication  
1 unit Pathways

### **Business & Communications**

1 unit Accounting  
1 unit Advanced Accounting  
1 unit Banking & Finance  
.5 unit Entrepreneurship (1<sup>st</sup>)  
.5 unit Business Essentials (2<sup>nd</sup>)  
1 unit Computer Apps & Tech

### **Family & Consumer Science**

.5 unit Human Growth and Development (1<sup>st</sup>)  
.5 unit Family Studies (2<sup>nd</sup>)  
.5 unit Nutrition and Wellness (1<sup>st</sup>)  
.5 unit Foods and Nutrition (2<sup>nd</sup>)  
.5 unit Consumer Education (1<sup>st</sup> or 2<sup>nd</sup>)  
1 unit Career & Community Connections

### **Fine Arts**

1 unit Graphic Design 1 & 2  
1 unit Advanced Graphic Design  
1 unit Client Based Graphic Design  
1 unit Crafts 1 & 2  
.5 or 1 unit Advanced Crafts  
.5 unit Films as Literature  
.5 unit Creative Writing  
1 unit Oral Composition  
1 unit Art 2 & 3 (2<sup>nd</sup> year)  
1 unit Advanced Art (3<sup>rd</sup> year)  
1 unit Comp Graphics Journalism \*  
1 unit Telecom & Multimedia  
1 unit Adv Telecom & Multimedia  
1 unit Multimedia Productions 1 & 2  
1 unit In-House Training \*  
1 unit HHS Singers  
1 unit Chamber Choir \*  
1 unit Notables \*  
.5 unit Music for the Stage \*  
1 unit Band  
1 unit Jazz Band  
1 unit Percussion  
1 unit Music Exploration

### **Language Arts**

1 unit English 12  
1 unit English 11  
1 unit English 10  
1 unit English 9  
1 unit AP Literature & Composition  
1 unit Mod English (must have IEP)  
1 unit College English 1 & 2

### **Mathematics**

1 unit Algebra 1  
1 unit Geometry  
1 unit Algebra 2  
.5 or 1 unit Pre-Calculus  
.5 unit College Algebra (2<sup>nd</sup>)  
1 unit AP Calculus  
1 unit Consumer Math  
1 unit Mod Math (must have IEP)

### **Miscellaneous**

1 unit Teacher's Aide \*  
1 unit Library Aide \*  
1 unit Technical Assistant \*  
1 unit Sports Technical Media Productions \*  
Tutor (no credit) \*  
.5 or 1 unit On-Line Course  
.5 unit College Public Speaking (2<sup>nd</sup>)  
.5 unit College Psychology (2<sup>nd</sup>)  
1 unit CBE (must have IEP)  
1 unit Study Skills (must have IEP)  
1 unit CG Journalism – OJT \*  
3 units Washburn Institute off Technology  
Senior Early Release (several options 2<sup>nd</sup> sem only)

### **Physical Education**

1 unit PE & Health  
1 unit Advanced PE  
1 unit Lifetime Fitness

### **Science**

1 unit Biology  
1 unit Anatomy & Physiology  
1 unit Chemistry or Honors Chemistry  
1 unit Physics  
1 unit Environmental Science  
1 unit Horticulture 2  
1 unit Animal Science

### **Social Sciences**

.5 unit Government  
.5 unit College Government (1<sup>st</sup>)  
.5 unit Mod Government (must have IEP)  
1 unit American History  
.5 unit Sociology  
.5 unit Psychology  
.5 unit Civics (1<sup>st</sup>)  
.5 unit World History (2<sup>nd</sup>)  
1 unit AP Human Geography  
.5 unit Criminal Justice (1<sup>st</sup>)  
.5 unit Civil Law (2<sup>nd</sup>)  
.5 unit Economics (2<sup>nd</sup>)  
1 unit Mod Social Studies (must have IEP)

### **World Language**

1 unit Spanish 1  
1 unit Spanish 2  
1 unit Spanish 3

## **AGRICULTURE EDUCATION DEPARTMENT**

In addition to course content, the areas of leadership, personal development, and service learning will be implemented through opportunities for involvement in FFA. Each course has an entrepreneurial, exploratory, or placement experience by the means of a Supervised Agricultural Experience (SAE) program for each student. Each student keeps records on their SAE and works outside of school time to conduct the program.

### *AGRISCIENCE EXPLORATION* – 1 credit, 9

This year long course offers an introduction to all major phases of agriculture (i.e. agriculture current events, animal science, meat science, horticulture, food safety, ag processing, agribusiness and sales, plant agriculture, and leadership/personal development, and ag mechanization). Opportunities in FFA are introduced and each student selects and begins implementation of a Supervised Agricultural Experience (SAE) program and begins a SAE record book. The class will work in the greenhouse and with various lab activities to explore agriculture. The primary aim of this course is an introduction to a variety of agricultural career opportunities and to become an informed consumer of agriculture.

### *AGRICULTURE MECHANICS* - 1 credit, 10-12, Pre-req: agriscience exploration or instructor permission.

The first semester serves as an introduction to agricultural mechanization and current trends in technology. Instructional areas of lab safety, proper tool usage, electrical wiring, soil surveying, equipment operation and maintenance, and basic small engine maintenance and repair. The second semester consists of the shop fundamentals including shop safety, blueprint reading, welding processes, project design and construction. A variety of basic skills will be practiced and developed such as tool maintenance and use, SMAW (stick) and GMAW (MIG) welding, oxyacetylene welding and cutting and plasma-arc cutting.

### *AGRICULTURE WELDING* - 1 credit, 11-12, Pre-req: ag mech. & instructor permission

Course work will include safety policies and procedures, proper tool and equipment usage, basic metal forming techniques, metallurgy, and interpreting welding symbols in blueprints. Students will enhance their basic skills in arc, mig, and tig welding in various positions. Students will also develop advanced skills in oxyacetylene welding and brazing, oxyacetylene cutting, and plasma-arc cutting in the course. Students need to furnish coveralls and a pair of pliers. One pair of leather gloves and safety glasses will be provided. Students will also be given time to construct projects and must have suitable plans for a project before enrolling in the course.

### *AGRICULTURE FABRICATION* - 1 credit, 12, Pre-req: agriculture welding.

A full year course devoted to individual project design and construction, students must be prepared to plan, design, and build various projects throughout the year. The beginning of the course will focus on safety, reviewing basic shop skills, and continues on to the project. Students need to furnish coveralls and a pair of pliers. One pair of leather gloves and safety glasses will be provided. Students will also be given time to construct projects and must have suitable plans for a project before enrolling in the course.

*PATHWAY: AG FOOD/NATURAL RESOURCES MANAGEMENT (Ag Pathways)* - 1 credit, 12, Pre-req: 2 previous agriculture courses and instructor permission

This year long course is for students looking for in-depth study in one of the agriculture career clusters pathways. The course will be taught using “differentiated learning strategies” to individualize the learning for every student along the pathway they select. The course will be divided into a different major focus each semester: Fall semester - “Topics in Agriscience” and spring semester - “Career Development in Agriculture.” This course will require a high degree of focus and individual drive by each student in order to be successful. Students will combine classroom and laboratory activities with advanced “Supervised Agriculture Experience” and FFA experiences.

*AG LEADERSHIP AND COMMUNICATIONS* - 1 credit, 10-12, instructor permission.

The purpose of this course is to assist students in developing their knowledge, attitudes, skills and aspirations regarding leadership development in an agricultural setting or provide them with the beginning foundation for any setting. The goal of this course is to encourage students to be knowledgeable, caring, and decision makers. Students in our program desiring to develop and expand their leadership skills are encouraged to take this course. Student will find opportunities to further develop their organizational skills by interacting not only with other class members, but also with other organizations, groups, and activities. Students are in charge of organizational and school activities, and are responsible for successfully organizing, conducting, and evaluating the activities.

*AGRIBUSINESS MANAGEMENT*- 1 credit, 10-12, Pre-req: ag. exploration

This full year course is designed to include essential ag business management and financial evaluation principles for the student looking for a career in the agriculture industry. Instruction will be in the areas of decision making, marketing basics, fundamental analysis, technical analysis, using futures, using ag options, marketing math, marketing in a global economy, hedging strategies, speculation, marketing strategy for livestock/grain, obtaining and using credit effectively, preparing a cash flow statement, preparing a balance sheet, preparing an income statement, analyzing financial performance, and managing the agriculture business. Students will trade ag commodities utilizing the DTN to monitor changes in commodities. This class is tailored for students interested in careers in ag economics, ag finance, production ag, ag sales, and other business opportunities. This class is offered every other year.

*COLLEGE AGRICULTURE ECONOMICS* (semester) - 1/2 credit, 11-12, Pre-req: agribus mgmt. & instructor permission

This one semester course is offered for concurrent credit. This course includes the role that agriculture plays in today’s modern economic world. It will examine the principles of economics and define how they can be used in agriculture. This course gives advanced ag. ed. students an opportunity for further study into ag econ and ag business. (Credit is granted through Allen Country Community College at student expense.)

*AG-OJT (Agriculture-On-the-Job Training)* -1 credit, 12, Pre-req: two years of ag & instructor permission

This one-year course has a student placed in the community working for an agribusiness for one block every other day. Students will select a placement experience that fits their future career interests. Students will keep records and track skill development using the Kansas Ag Ed Record Book and Quicken. The course will be a combination of in school class preparation and a majority of on the job placement. The experience will be summarized using the FFA placement proficiency award application. The student is responsible for transportation to and from the placement site.

## AGRICULTURE SCIENCE DEPARTMENT

In addition to course content, the areas of leadership, personal development and service learning will be implemented through opportunities for involvement in FFA. Students will perform one research project each semester for a research based Supervised Agricultural Experience (SAE) program.

*ANIMAL SCIENCE*- 1 credit, 10-12, Pre-req: biology or concurrent enrollment This one year course offers an introduction to animal agriculture and will investigate careers such as animal breeder, veterinary science, nutritionist, meat specialist, feed sales representative, animal marketing and additional related fields. The emphasis will be given in the areas of handling, breeding, feeding/ nutrition, facilities, species, breeds, pasture management, and marketing. Biology concepts will be integrated along with traditional classroom/lab instruction. Units will be reinforced by field trips and exploratory activities. This class is only offered every other year.

*ENVIRONMENTAL SCIENCE*-1 credit, 10-12, Pre-req: biology or concurrent enrollment This course offers an overview of natural resources and their management and use. Emphasis is placed on wise and productive use of soil, water, wildlife, range and forest ecosystems as well as the environmental impact of rural and urban agriculture. Other topics will include population, pollution, pests, entomology, resources, water quality, urban sprawl, energy, and land as related to the environment. Students will explore careers related to wildlife, natural resources, and environmental science. This class is only offered every other year.

*HORTICULTURE SCIENCE 1 or 2*- 1 credit, 10-12, Pre-req: biology or concurrent enrollment This course offers a one year exploration in beginning horticulture practices. Major areas of instruction include: basic flower arranging, pruning, introductory landscaping and design, lawn management, gardening, fruit production, plant growth and propagation, insect control, hydroponics, greenhouse management, and fertilization. Lab activities will supplement classroom instruction. Floriculture design, landscape architecture, turf management, fruit and vegetable production, and greenhouse/nursery operations are careers in this area. Horticulture 2 explores concepts covered in Horticulture I in more detail and greater depth with an increased focus on landscape design and floral arrangement. This class is only offered every other year.

*COLLEGE ANIMAL SCIENCE* - .5 credit, 11-12, Pre-req: animal science & instructor permission This one semester course is offered for concurrent credit. This course will cover the principles that apply to the field of animal agriculture, survey of the industry types, purposes and products of livestock, principles of breeding, selection, nutrition, lactation, reproduction, management, and marketing. This course gives advanced agriculture education students an opportunity for further study into animal science and is designed to help ease the transition into college. Three hours of college credit (Animal Science-AGR 103) is granted through Allen County Community College at the student expense.

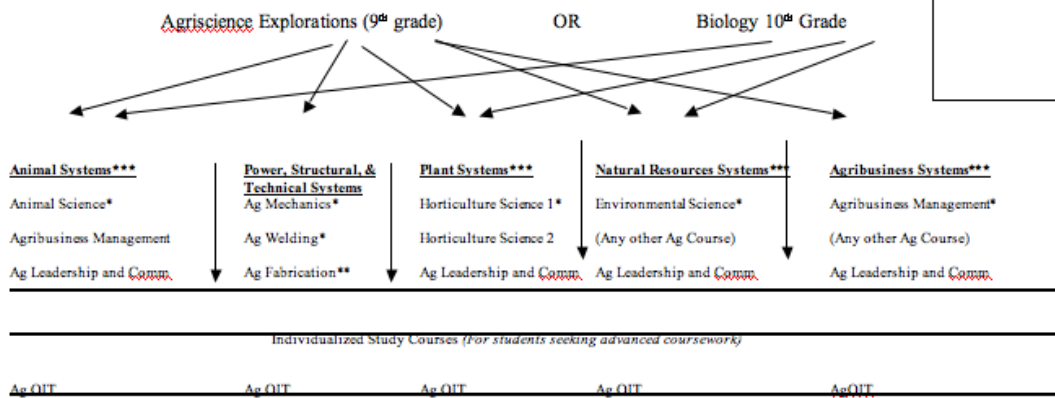
**COLLEGE FEED SCIENCE AND NUTRITION** (semester) - .5 credit, 11-12, Pre-req: animal science or instructor permission

This one semester course is offered for concurrent credit. This course will cover the principles that apply to the field of animal agriculture feeding and nutrition, digestive systems, essential feed nutrients, energy requirements for various stages of production, and balancing feed rations. This course gives advanced agriculture education students an opportunity for further study into animal feeding and nutrition and is designed to help ease the transition into college. Three hours of college credit (Fundamentals of Animal Nutrition- AGR203) is granted through Allen County Community College at the student expense.

# AGRICULTURE CAREER PATHWAYS

Holton Agriculture Education and Agriscience Department  
Sequence of Courses for the Career Clusters Pathways

\*Required Course to complete the pathway



Articulation Agreements

**\*\*\*Highland Community College (HCC)** – For any student 3 years of agriculture (and the required courses) completing the Animal, Plant, Agribusiness or Natural Resources Pathways will receive a 2 year tuition award to complete a 2 year transfer degree in agriculture. Any student completing 4 years of agriculture (and the required courses same as above) will receive a 2 year books and tuition award (Scholarship) to complete a 2 year transfer degree in agriculture.

**Manhattan Area Technical College (MATC)** – Any student completing the “Ag Fabrication Course” in the Ag Power, Structural, and Technical pathway will earn a tuition award to cover “WLD 100 Welding Theory”. The award (scholarship) is worth 2 hours of tuition and counts toward the student’s completion in the welding certification program.

## **BUSINESS DEPARTMENT**

<http://www.holton.k12.ks.us/hhs/departments/business.html>

Computer applications and technology is a required course for freshmen. Business documents & processing is highly recommended for freshmen.

Students who complete the sequence of courses for the "Finance Pathway" will have the opportunity to earn college credit at Highland Community College. The Holton Business (Finance) Program has an articulated agreement with HCC. Should a student decide to attend HCC, he/she will receive credit for an Associate in General Studies upon completion of the required sequence of courses.

### *COMPUTER APPLICATIONS & TECHNOLOGY - 1 credit, 9-12*

Being proficient on computers is necessary for success at HHS. Students will learn software terms and usage, word processing skills, creating, formatting, editing, and revising documents, spreadsheet skills, and data base skills. Networking terms and tasks such as E-mailing, and Internet skills are included. General technology policies (rules, ethics, social issues, etc.) will be reviewed. This is a required class that will be integrated with 9th grade English for project tasks to practice skills learned. Software students will be exposed to includes, but is not limited to; AppleWorks, Microsoft Word, Powerpoint, Hyperstudio. This class will also provide experience in both the Windows environment and the Macintosh environment.. Students transferring into HHS will need to enroll in this class or demonstrate the required proficiency. Meets Qualified Admissions requirement.

### *ACCOUNTING A & B 1 - 1 credit, 10-12*

Accounting A & B introduces and expands upon the fundamental accounting principles and procedures used in business. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledge and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budges and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Topics may include elementary principles of partnership and corporate accounting and managerial uses of control systems and the accounting process.

### *ADVANCED ACCOUNTING - 1 credit, 11-12, Pre-req: Accounting A & B*

Advanced Accounting courses expand upon the foundational accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Topics may include elementary principles of partnership and corporate accounting and managerial uses of control systems and the accounting process.

**ENTREPRENEURSHIP – .5 credit, 9-12 (fall semester only)**

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own business. Topics from several fields typically form the course contents; economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in business management courses may also be included.

**BUSINESS ESSENTIALS - .5 credit, 9-12 (spring semester only)**

This is a core course designed to give students an overview of the business, marketing, and finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge and safe and secure environment controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a careers and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principals of business and management, and analyze business practices to determine ethics and social responsibilities.

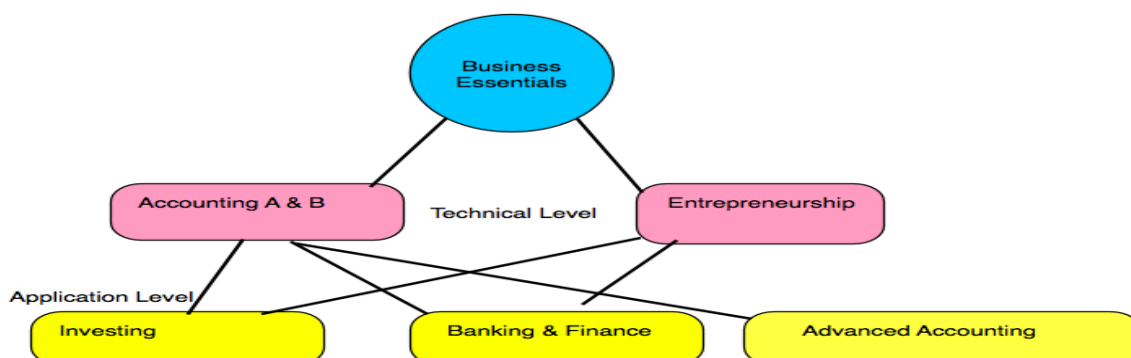
**BANKING & FINANCE – 1 credit, 10-12**

Banking and Finance courses provide students with an overview of the American monetary and banking system as well as types of financial institutions and the services and products that they offer. Course content may include: government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments.

**INVESTING - .5 credit, 10-12 (fall semester only)**

Investing courses emphasize the formulation of business and individual investment decisions by comparing and contrasting the investment qualities of cash, stock, bonds, and mutual funds. Students typically review annual reports, predict growth rates, and analyze trends. Stock market simulations are often incorporated into investing courses. The class is offered every other year.

**Business Finance Pathway- CIP Code 52.0901**



## **FAMILY AND CONSUMER SCIENCE DEPARTMENT (FACS)**

Students taking a Family and Consumer Science Class must join the Holton Family, Career and Community Leaders of America (FCCLA) chapter. FCCLA activities will be integrated into each regular course curriculum and membership offers the FACS student many additional opportunities to develop leadership and 21st century skills.

Students who complete the sequence of courses for the “Family and Community Pathway” will have the opportunity to earn college credit at Highland Community College. The Holton FACS Program has an articulated agreement with HCC. Should a student decide to attend HCC, he/she will receive earned credit for an Associate in General Studies upon completion of the required sequence of courses.

### *INTRODUCTION TO HUMAN SERVICES* - 1 credit, 9

Life skills is a year-long course designed to provide the student with the opportunity to explore the Human Services Career Cluster creating a foundation for further study. The content areas include: decision-making, goal setting, communication, teamwork, relationships, resource management, foods and nutrition, safety and sanitation, money management, career exploration, child development, parenting, and housing. Lab experiences will provide opportunities to learn and practice skills.

### *NUTRITION AND WELLNESS*- .5 credit, 10-12 (1st semester only)

Nutrition and Wellness will include topics related to personal health education affecting individuals for future career choices. Topics may include nutrition, stress management, drug/alcohol abuse prevention, and disease prevention. Course objectives include helping learners develop decision-making, communication, interpersonal, and coping skills and strategies.

### *FOODS AND NUTRITION*- .5 credit, 10-12 (2nd semester only)

A semester class that gives the student learner hands on experience in the following topics; selecting food from the food pyramid, meats, recognizing different nutrients and how they affect the body, food choices through the lifespan, eating disorders, basic kitchen terminology, recipe reading skills, baking, health eating at home and on the go, and careers in the nutrition field.

### *CONSUMER EDUCATION*- .5 credit, 11-12 (either semester)

Consumer Education provides students with an understanding of the concepts and principles involved in economic financial literacy and exploration in career opportunities. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, problem solving and critical thinking, contracts, and current issues (local, state, global.)

### *HUMAN GROWTH AND DEVELOPMENT*- .5 credit, 10-12 (1st semester only)

In the Human Growth and Development course, students learn about the physical, intellectual, emotional, and social growth and development of infants, children, adolescents, young adults, and adults and their development across the life span. (Preference will be given to sophomores.)

*FAMILY STUDIES* - .5 credit, 10-12 (2nd semester only)

Family Studies reflects the transition to a Parenting course for the 21st Century learner as it helps the learner discover how parents respond to the various stages of childhood and adolescent, and adult emotional, cognitive, and physical development; and the appropriate care of infants, children, young adults, and aging parents. (Preference will be given to sophomores.)

*CAREER AND COMMUNITY CONNECTIONS* – 1 credit, 12; pre-req: instructor approval

Career and Community Connections is an application level course that applies the technical skills in careers related to providing for the needs of humans. This professional learning experience may be unpaid or paid, outside or within the school environment, but provides the opportunity for learners to focus on 21st century skills, and acquire job-seeking and retention skills needed to advance within this unique workplace.

## FINE ARTS DEPARTMENT

*ART I* - 1 credit, 9-11, special permission needed for seniors

This course consists of four nine-week units, plus the history of art which is included throughout the year. Each nine weeks the student will research an artist and write a paper based upon that research. The four units of the class are:

A) Drawing - the first two units of the class will cover line concepts, blind contour, limited contour, perspective drawing, composition of geometric shapes, still life composition, graphic design, space representation, outdoor sketching, landscape composition, figure construction, and portraits. The student will become familiar with pencil, pen, and ink, charcoal, and pastels.

B) Crafts - the third nine weeks offers a limited exposure to printing, textiles, ceramics, and sculpting.

C) Color Theory - the fourth nine weeks involves painting in watercolors: learning the techniques of wet and dry, wet on wet and dry brush. Students should develop an individual style and be able to see the total effects rather than part.

*ART 2 & 3* – 1 credit, 10-12 (2<sup>nd</sup> year); pre-req: Art 1

These courses consist of two nine weeks, and will allow for further in-depth exploration in the following media: drawing, painting, printmaking, and graphic design. Along with this, students will focus on developing usage of the principles of design into their work. Emphasis will be less on developing skills, and more on developing ideas and communicating those ideas to the viewer. Students will also be required to research artists, develop their digital portfolio, and make class presentations of their work.

*ADVANCED ART* - .5 or 1 credit, 11-12 (3<sup>rd</sup> year); pre-req: Art 3

These courses consist of two nine weeks, and will allow for independent study in the following media areas: drawing, painting, printmaking, and graphic design. Along with this, students will focus on developing the elements and principles of design into their work. Emphasis will be less on developing skills, and more on developing ideas and communicating those ideas to the viewer. Students will also be required to research artists, develop their digital portfolio, and make class presentations of their work.

*CRAFTS I and CRAFTS II* - 1 credit, 10 -12, Pre-req: Art 1

Crafts I will be first semester and Crafts II will be second semester. Art history is continued throughout the course with research and reports. This course will consist of ceramics, printing, etching, and textiles. Ceramics, which will include each of the following: six types of hand built pottery of exhibit quality, student usage of potters wheel, and student completion of six thrown pieces of exhibit quality pottery. Students will be responsible for project costs.

*ADVANCED CRAFTS* – .5 or 1 credit, 10-12, Pre-req: Art 1 and Crafts II

Advanced textiles, sculpting, and ceramics are the main units of this class. This class requires two projects each nine weeks. Upon completion, the student critiques his work and the work of fellow classmates. Art history will be continued throughout the course. Students will research an artist and write a paper based upon that research. Student will be responsible for project costs.

*GRAPHIC DESIGN I and II* - 1 credit, 10-12, Pre-req: Art 1 and basic computers: written application & evaluation by instructor.

This course will instruct in the basic software and design for computer graphics and emphasis the elements and principles of design. The student will be expected to develop creative styles and original design based upon the assignment parameters. The student will learn to be proficient with the Adobe Creative Suite software during the entire class. Students are involved in a variety of individual projects including, but not limited to, athletic program cover designs, illustrations, photomontages, business related projects and client-based projects.

*ADVANCED GRAPHIC DESIGN* – .5 or 1 credit, 11-12, Pre-req: Art 1 and Graphic Design II

This course offers student the opportunity to further develop design skills that were initiated in the first Graphic Design course. A continued exploration of the Adobe Creative Suite software will offer students the chance to create professional quality commercial and artistic designs and develop their portfolio with more elaborate and detailed digital work. Students are responsible for creating presentations of individual project work and creating an online portfolio.

*CLIENT BASED GRAPHICS* - .5 or 1 credit, 11-12, Pre-req: B or above in graphic design and instructor approval

Student will develop appropriate business cards, stationary heading, time sheet and billing sheets. They will develop a hard copy and c.d. portfolio to properly keep records of their work. The student will contact three clients from the classroom list, set up interviews, work on graphics for customer, and present a satisfactory finished product to the client on which they will sign off to show their approval. Second semester client will compete for customers and develop web pages to advertise their graphic skills.

*BAND* - 1 credit, 9-12, Pre-req: ability to play a concert band instrument.

The band studies various styles and difficulties of instrumental literature including small ensembles to large concert works. The band performs as a marching band during football season and as a pep band during basketball season. Students also perform as a concert band for several concerts during the year and as ensembles at various community events.

*JAZZ BAND* - 1 credit, 9-12, Pre-req: ability to play a typical jazz band instrument, audition & instructor approval

Student must be a member of concert band. Literature will include big band, jazz, rock, ballad, etc. Study will also include some music theory such as improvisation, chord structure, form etc.

*HHS SINGERS* - 1 credit, 9-12

This introductory singing group will focus on correct tone production, support and diction through instruction of the proper techniques. The group will concentrate on the rudiments of vocal technique, basic theory, and music history. Routine testing (both written and singing) will be done to gauge the progress of the group as a whole, as well as individually. The intent of this group is to prepare students to participate in one of the two upper level performing groups: Notables and Chamber Choir.

*HHS CHAMBER CHOIR* - 1 credit, 9-12, Pre-req: audition & instructor approval

This course is the largest audition group at HHS. Through the preparation and performance of a variety of high quality choral music, members of the Chamber Choir will develop a refined sense of musicianship, maintain a high standard of performance, and serve as positive representatives of HHS by performing at school and community functions. Second semester will emphasize theory and music history.

*NOTABLES* - 1 credit, 10-12, Pre-req: audition & instructor approval

This is the most selective performing group at HHS. Stringent auditions and more demand on time and talent is paramount to the success of this group. Through the preparation and performance of a variety of high quality choral music, members will develop refined musicianship skills, increase in knowledge of music theory, history, and performance. Students will practice and develop refined artistic musical performance skills, and serve as positive representatives of HHS by performing at school, competition and community functions.

*PERCUSSION CLASS*-1 credit, 9-12, Pre-req: audition & instructor approval Percussion class will be a practice as well as performance. Students must know how to read music, including medium to complex rhythms. Students should know the basic rudiments and know how to read treble and bass clef in order to play definite pitch instruments such as timpani, as well as infinite pitch instruments such as snare, cymbals, quads, etc. Performances could include, but are not limited to, football and basketball games, as well as concerts and other public venues. Students will have to supply a uniform, shirt, sticks, and in some cases their own snare drum.

*MUSIC EXPLORATION* - 1 credit, 9-12

Music Exploration will study music history from the Middle Ages through present day, including composers, styles, terms, and performing medium. The course will also include a study of basic music theory, composition and arranging, instruments of the orchestra and fundamental orchestration. Careers in music and some of the basic music software available today will be examined.

*MUSIC FOR THE STAGE* - .5 credit, 9-12: instructor's permission (fall semester only)

This hands-on course will focus on preparation of the stage and behind the scenes for the high school play.

*TELECOMMUNICATIONS & MULTIMEDIA* - 1 credit, 10-12, Pre-req: C+ or above in computer applications or by instructor's approval

This class will expose the student to a variety of new technologies. Students will go beyond the basic knowledge of the Internet and learn more of the advanced features. In addition, students will be taught how to develop web sites. Students in this class will also be required to help maintain various district & community Web pages as well as create new pages as needed. Students will also learn to make video clips for the Web and learning how to compress the videos for optimal performance on the Internet. Some software packages students will be exposed to include, but are NOT limited to the following: Macromedia Flash, Photoshop, Fireworks, Dreamweaver. Students will learn the fundamentals of Desktop Publishing using Adobe Indesign.

*ADVANCED TELECOMMUNICATIONS* - .5 or 1 credit,10-12, Pre-req: telecom and instructor's approval.

Students will work on independent film projects.

*MULTIMEDIA PRODUCTIONS*- 1 credit, 10-12 Pre-req: C or above in computer applications & technology and telecommunications.

Students in this course will be learning to make digital videos, DVD movies, burning of CD's, Quicktime movies, etc. Students will be required to sign up and film various USD 336 programs must videotape a minimum of two outside events per semester. Strict deadlines must be met and production **will require** additional work to be done outside of class. Students will be required to sign a contract for this class. Various digital editing media software, such as iMovie, Final Cut Pro, and iDVD, along with filming techniques will be explored. Students will produce Wildcat News. Priority will be given to 11th and 12th graders.

*ORAL COMPOSITION* 1 credit, 9 - 12

This class furthers the educational and personal development of the students involved. Overcoming the stage fright that most people experience and learning to have healthy group and individual work traits are major goals; however, the emphasis is on self-improvement through both speech and drama. Students will learn the nature of communications and their roles in the process. Developing pride, discipline, and confidence are expected results. Assessments will include both written and spoken activities, some of which are "out of class" experiences. The focus of the second semester of speech communications includes the various elements of drama, the history of theater, oral performance outside of theater and oral communication. Assessments will be both written and project oriented, some of which may be "out of class" experiences.

*COMPUTER GRAPHICS & JOURNALISM* - 1 credit, 10 - 12, Pre-req: B or above in English and Intro to Communications, application and instructor approval.

Computer Graphics (CG) Journalism, a production oriented class, has as its goal the publication of the printed and online versions of the *Holtonian* newspaper and the Retrospect yearbook, two award-winning publications. Students will fill various leadership roles on the staff based on previous leadership, demonstrated ability and application. Journalism requires commitment of time outside of school and students who enjoy writing and talking to a variety of people. Students must be able to take responsibility, to get along with others and to meet deadlines. Students will be selected for staff on a basis of application BEFORE enrollment.

## LANGUAGE ARTS DEPARTMENT

English 9,10,11, and one additional unit in language arts are required for graduation.

### *ENGLISH 9-1 credit, 9*

English 9 is a required class for freshmen. Students work toward achievement of the state standards through various units, including fiction, nonfiction and technical writing. In addition, review and practice lessons are given in grammar and punctuation. General study skills are included with each unit, including strategies in test taking, listening skills and reading comprehension techniques. Meets Qualified Admissions requirement.

### *HONORS ENGLISH 9 – 1 credit, 9*

This course is a more intensive English 9 course geared toward the highly motivated student. Freshman Honors English serves as both an introduction to the high school English curriculum, as well as an opportunity for students to critically examine additional works of literature. The course includes a greater number of reading and writing projects, including construction of more advanced essays. The rigor of the course is intended to be commensurate with the preparation students need for success in high school, college, and the world of work. Students will be asked to obtain several novels per year by purchasing them or through interlibrary loan.

### *ENGLISH 10-1 credit, 10*

English 10 is a required survey class for sophomores. In this class, students will work toward an understanding of the state reading and writing standards through the study of the four text types: narrative, expository, technical, and persuasive. Students will be asked to form opinions and develop support for a variety of “essential questions” in order to build their awareness to current events and in order to connect those ideas to their reading and writing. Review and practice in grammar and punctuation, and application of those skills to writing, will also be a focus. Students will develop general skills in the areas of test taking, listening, and organization. ACT test skills will be a focus as well. Meets Qualified Admissions requirement.

### *HONORS ENGLISH 10 – 1 credit, 10*

This course is a more intensive English 10 course geared toward the highly motivated student. Sophomore Honors English serves as both preparation for the state reading assessment, as well as an opportunity for students to critically examine additional works of literature. The course includes a greater number of reading and writing projects, including construction of more advanced essays. The rigor of the course is intended to be commensurate with the preparation students need for success in high school, college, and the world of work.

*ENGLISH 11 and HONORS ENGLISH 11 - 1 credit, 11*

English 11 is designed as a survey of American literature in chronological order with careful study of major authors. Within that framework, emphasis is placed on descriptive, technical, persuasive, and narrative skills based on the Kansas Standards for reading and writing that students will be required to know. Students will also practice 21st Century skills including critical thinking skills, presentation skills and workplace readiness skills. Honors English 11 will require students to do more rigorous reading and writing than regular English 11. Students will be asked to obtain four to eight novels per year by purchasing them or through interlibrary loan. Meets Qualified Admissions requirement.

*ENGLISH 12 - 1 credit, 12*

The English 12 curriculum is designed to meet the needs of students who plan to continue their education at a community college or college, but as yet they do not have the ACT or ASSET scores necessary to enroll in concurrent college credit classes. English 12 encompasses the studies of literature, reading, spelling, vocabulary, and grammar. Classical literature as well as public speaking, research skills, essay writing, and technical writing will be covered. Assessment will include both written and spoken activities. Meets Qualified Admissions requirement.

*COLLEGE ENGLISH I - .5 credit, 3 college hours - 12*

Since this course is offered for concurrent credit, it is recommended a student have achieved a minimum grade of "B" in English 11. In order to be eligible for enrollment in College English I, the student must score an 18 on the English portion of the ACT or meet HCC guidelines for the ASSET placement test. College English I is designed to provide instruction and practice in the principles of written composition. Students will have practice in writing and evaluating of their own papers, those of their peers and the writing of professional authors. College English I may also do assignments in conjunction with other Holton High classes. College credit is granted through Highland Community College at student expense. Meets Qualified Admissions requirement and will count as an honors course.

*COLLEGE ENGLISH II - .5 credit, 3 college hours -12 (Pre-req: College English 101)*

College English 1 is a prerequisite, and it is recommended a student have achieved a minimum of a "C" in English 1. English II continues the instruction and practice in principles of written composition that began in English 1, but also introduces aspects of literature appreciation and critical analysis of various genres and research. Some assignments may be done in conjunction with other Holton High classes. College credit is granted through Highland Community College at student expense. Meets Qualified Admissions requirement and will count as an honors course.

*AP ENGLISH LITERATURE AND COMPOSITION* -1 credit, 11-12

Advanced Placement English Literature and Composition is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. The course includes intensive study of representative works from various genres and periods. Students should expect to read 12-16 novels (some during the summer) as part of this course. AP English Literature and Composition demands a great deal of effort on the part of the student. Students enrolling in the course should plan to spend quite a bit of time on outside study for the class. Writing is an integral part of the AP English Literature and Composition course, for the AP exam is weighed toward student writing about literature. Writing assignments will focus on the critical analysis of literature and will include expository, analytical, and argumentative essays. Students will be expected to take the AP exam. Students must pay a \$100.00 fee to enroll in the course. The fee will apply to the AP exam fee when the student takes the exam.

*FILMS AS LITERATURE* - .5 credit, 10-12 (2nd semester only)

Films as literature is an elective course which affords students the opportunity to approach literature through the medium of film. Both classic and contemporary selections from a variety of genres will be used to provide a broad spectrum. Emphasis is placed on analysis, evaluation, and appreciation of the literary aspects of film in a structured, yet creative manner.

*INTRO TO COMMUNICATIONS*- 1 credit, 9-12, Pre-req: B or above in English, application, & instructor approval

Intro to communications is an introductory course where students learn the basics of print journalism, including how to write different types for stories, how to edit stories according to the AP stylebook, how to take digital photos and write captions, how to layout the paper and yearbook, how to write headlines, and how to use the InDesign program and Photoshop program. Students in Intro to Communications write articles that are published in the local paper, the *Holtonian*, the school newspaper, and the Retrospect, the school yearbook. After trying all kinds of writing and learning about layout, design and photography, students may be on the CG journalism staff the next year. Students who like meeting new people, finding out information, writing (and rewriting), computers, and photography, who earn a B or above in the intro class, you would like this class.

*CREATIVE WRITING* (fall semester)- .5 credit, 10-12

Creative Writing encompasses a wide variety of writing tasks within descriptive mode, narrative mode, and poetry. Nine week and semester portfolios are summative assessments used to evaluate progress. Weekly and daily writings provide selections for this reflective portfolio. Students are evaluated on four elements of creativity: fluency, flexibility, originality, and elaboration. Publication in student magazines is encouraged. The class will create a cumulative literary magazine in the final month of the semester.

## MATHEMATICS DEPARTMENT

### *Sequence of Math Courses:*

#### *Graduation Only:*

*Algebra 1, Geometry and Algebra II or Consumer Math*

#### *College Prep:*

*Algebra 1, Geometry, Algebra II, and College Algebra*

#### *Math Intensive:*

*Honors Geometry, Honors Algebra II, Pre-Calculus, and AP Calculus*

#### *Support Classes:*

*Essentials for Algebra, VPL, Math Standards*

#### *ESSENTIALS FOR ALGEBRA – 1 credit, 9*

This course consists of basis arithmetic skills (multiplication, division, addition, subtraction) without a calculator. We will also work on pre-algebra skills and problem solving skills. This class will help the student transition into Algebra 1 as a sophomore.

#### *ALGEBRA I - 1 credit, 9-12*

This class covers properties of the real number system and solving equations. Review symbols, notations, adding and subtracting real numbers and goes over variables and simple open sentences. Topics also covered include: solving equations, inequalities and word problems, polynomials, adding, subtracting, multiplying, and dividing. Working with fractions of both real numbers and algebraic fractions, graphing in the coordinate plane and learning to solve systems of linear equations are part of the class. Meets Qualified Admissions requirements.

#### *MATH STANDARDS - 1 credit, 9-11, Pre-req: instructor recommendation and/or low state assessment scores.*

This class is designed for students who were flagged on the Kansas State Assessments and who require more time to meet KS State Math Standards. The class will utilize a variety of techniques to practice benchmarks & indicators to enhance math content knowledge.

*GEOMETRY and HONORS GEOMETRY - 1 credit, 9-12, Pre-req: Algebra 1* Geometry is a required math course of integrated plane and solid geometry from the modern aspect with practical applications always kept in mind. Course investigate the relationship between points, lines, planes, angles, polygons, and simple solid figures. Areas and volumes of plane and solid figures, intro to trigonometry, math career exploration, problem solving, and project oriented instruction are included in the course work. Meets Qualified Admissions requirements.

*ALGEBRA 2* - 1 credit, 10-12, Pre-req: Algebra 1 & geometry

This class will review the basic of Algebra 1 (exponents, linear relationships, and systems of equations) and goes more into depth with each concept. New material is covered: quadratics, exponential and logarithm functions, and matrices. Meets Qualified Admissions requirements.

*CONSUMER MATH* - 1 credit, 11-12

This course is a comprehensive review of the fundamental operations of arithmetic with respect to whole numbers, common fractions, decimal numbers, and mixed numbers. The course is designed primarily for application of simple mathematics to everyday living, personal finance, and home management. These applications include percentages, interest, finance charges, income withholding, loans, personal accounting, budgets, travel, investments, income taxes, credit, insurance, and other types of general interest purchases

*HONORS ALGEBRA 2* - 1 credit, 10-12, Pre-req: A's in Algebra 1 & geometry, or instructor's approval

This class review the basic of Algebra 1 (exponents, linear relationships, and systems of equations) at a quicker pace and goes more in depth of each concept. However, it is more rigorous than Algebra 2. New materials include: complex numbers, quadratics, exponential and logarithm functions, matrices, polynomials, and rational functions. Further topics will be covered as time allowed. Meets Qualified Admissions requirement.

*COLLEGE ALGEBRA* - .5 credit, 11-12, Pre-req: Algebra 2

College Algebra is intended as a comprehensive thorough study of the fundamental laws of algebra, exponents, linear and quadratic equations, polynomials and rational inequalities, system of equations, radicals and radical equations, functions and graphing, polynomials and polynomial equations, modeling, logarithms, complex numbers, augmented matrices, determinants, regression, analysis of all kinds of graphs, linear systems in two or three variables, and applications of most of the topics listed above, plus many other topics as time permits. In order to be eligible for enrollment in college algebra, the student must score a minimum of 22 on the math portion of the ACT or meet Highland Community College guidelines for the ASSET placement test. Three hours college credit is granted through HCC at students expense. This course will count as an honors class.

*PRE-CALCULUS* - .5 or 1 unit of credit, 11-12, Pre-req: Honors Algebra 2

Pre-calculus is a rigorous study of trigonometry and in-depth analysis of functions and conic sections. Students must understand and communicate mathematical concepts graphically, numerically, analytically, and verbally. Students will use a variety of hand and computer tools to solve problems.

*VPL MATH* - 1 credit, 9-10

VPL stands for Virtual Prescription Learning. VPL is a computer- based class that prescribes lessons for students to review and enhance their Math skills. VPL strengthens Pre-Algebra and Algebra skills.

*AP-CALCULUS*- 1 credit, 12, Pre-req: pre-calculus

The four main topics are limits, continuity, derivatives, and integrals. Students will understand and communicate these four concepts. Students will complete a nationally standardized, comprehensive, three-hour final exam that, if passed, awards the student with college calculus credit. AP exam cost is at student expense. Students must pay a \$100.00 fee to enroll in the course. The fee will apply to the AP exam fee when the student takes the exam.

## **PHYSICAL EDUCATION DEPARTMENT**

Physical Education & Health is the only required course within this department and must be completed either during grade 9th or 10th grade year.

### *PHYSICAL EDUCATION & HEALTH* - 1 credit, 9-10

This class is designed to address many student needs in the area of life activities, fitness and good health. In addition to participation in sports and recreational activities, the class also studies why exercise is important, what their own fitness needs may be, and how to attain and maintain their own health and fitness. Students will explore their own BMI, body fat % and track weight for the duration of the class. Units include Nutrition, human sexuality, and substance abuse.

### *LIFETIME FITNESS* - 1 credit, 9-12

This course is designed to enhance an individual's physical fitness and improve a student's strength and endurance. Students will have their own workout schedule based on their own needs. Besides weightlifting, students will also work on speed training, using plyometrics and other conditioning techniques.

### *ADVANCED PHYSICAL EDUCATION* - 1 credit year, 10-12

This course will consist of activities in lifetime sports. In addition to team and individual sports, each student will be introduced into a wide variety of warm up and training activities that include: speed training, plyometrics, and core strength and flexibility. Sports include: swimming, volleyball, eclipse ball, basketball, team handball, football, soccer, badminton, pickle ball, table tennis, hockey, boxing, and softball.

## SCIENCE DEPARTMENT

### *EARTH & SPACE SCIENCE* - 1 credit, 9

This course investigates three diverse areas of science: physical science, general chemistry, earth science, and space science. Space science is the study of the universe and physical science explores the workings, movements, energies, and composition of everything from tiny atoms to massive galaxies. Earth Science explores the changes through which the Earth has gone during its existence. Laboratory investigations, class discussions, library research, and Star Lab are included in this look at many areas of science. Students are also introduced to astronomical observations at Elk Creek Observatory. Meets Qualified Admissions requirements.

### *BIOLOGY* - 1 credit, 9-10, Pre-req: Algebra I

This curriculum is recommended as a sophomore- level course. Minimum curriculum competencies are established by the state of Kansas and assessed by the state. Only those freshmen that have earned an A in middle school science and are planning on taking four years of high school science should consider this course. Biology studies the life on earth from the single-celled to the larger multicellular organisms. Some areas of specific studies will include the scientific method, the basic chemistry of life, process such as photosynthesis and respiration, ecology, cells, microbiology, genetics, evolution, classification, and the human body. This course will include laboratory activities to enhance student learning.

*CHEMISTRY* - 1 credit, 10-12, Pre-req: biology, geometry, or by permission Chemistry is the science of matter. All matter in the universe is made of atoms, consequently, the goals of this course include an understanding of the structures, arrangements, and interactions of atoms. Chemistry is a laboratory science available to sophomores who have completed biology and are enrolled in geometry. It is more directed to juniors and seniors preparing for college. Meets Qualified Admissions requirement.

*HONORS CHEMISTRY* - 1 credit, 10-11, Pre-req: biology, geometry, or by permission. Chemistry is the science of matter. All matter in the universe is made of atoms; consequently, the goals of this course include an understanding of the structures, arrangements, and interactions of atoms. Honors chemistry is a laboratory science available to sophomores and juniors who have completed biology and have demonstrated advanced science skills and a commitment to college preparation classes. Honors chemistry is not meant to be more work, but participants can expect to move at an accelerated pace to address a broader spectrum of chemistry topics. Meets Qualified Admissions requirement.

### *PHYSICS* - 1 credit, 11-12, Pre-req: chemistry, geometry, Algebra 2

Physics is the study of energy and motion. Students will investigate the many different kinds of energy such as mechanical, electrical, magnetic, light, gravitational, and nuclear. Physics is a laboratory science that starts most units with a lab example from which mathematical relationships are derived. Physics is available to those juniors and seniors who have completed chemistry and have a strong math background. Concurrent with trigonometry is advised. Meets Qualified Admissions requirement.

*ANATOMY & PHYSIOLOGY* - 1 credit, 11 - 12, Pre-req: B or above in biology The junior/senior-level course will present the essential principles of human anatomy and physiology. It will include a review over basic chemistry and cell understanding. This class will discuss the systems of the body in some detail (endocrine, reproductive, urinary, integument, respiratory, senses, nervous, digestive, muscular, lymphatic, cardiovascular). Information covered will be geared to benefit those students planning to enter a health or biological- related profession. Both structure and function of the human body will be explored along with the mechanisms for maintaining homeostasis within it. Dissections will be used as an intricate part of the learning and understanding. A variety of species and their structure will be dissected and researched for comparative anatomy purposes. Students enrolled in this course should have received an above average grade in biology. This course will count as an honors class.

## SOCIAL SCIENCE DEPARTMENT

### *AMERICAN HISTORY* - 1 credit, 11-Required

American history is organized as a general survey course that is required during a student's junior year. The course is presented from a semi-traditional chronological method. The course is designed to tie things together as to the importance of historical happenings as to their effect on current and future events. The ability to read history and to understand its significance are major objectives of the course. Meets Qualified Admissions requirement.

### *AMERICAN GOVERNMENT* - .5 credit, 12-Required (either semester)

Students should develop a general concept of government through the study of the formation of political systems, the United States Constitution, and the Federal system of government, as well as the interpretative nature of the Constitution. Students can gain insight into the ability of our system to adjust to changing times. Meets Qualified Admissions requirement.

### *COLLEGE GOVERNMENT* - .5 credit, 12 (fall semester only)

This concurrent credit course is designed for students to develop an understanding of the different types of government through the formation of political systems, the United States Constitution, and the Federal and Presidential systems of government, as well as an interpretative nature of the Constitution. Students can gain insight into the ability of our system to adjust to the changing times. The course will also cover various types of political systems. Students will be admitted based on the score from the Reading ASSET Test. College credit is awarded through Highland Community College at student expense. Meets Qualified Admissions requirement and will count as an honors course.

### *WORLD HISTORY* - .5 credit, 9-10-Required (spring semester only)

This course is organized as a general survey course of historical events around the world. The course is designed to allow students the opportunity to investigate major world events throughout various time periods. Meets Qualified Admissions requirement.

### *ECONOMICS* - .5 credit, 11-12 (spring semester only)

Students should develop a general concept of our American Economic System (supply and demand, stock market, and investment opportunities). Meets Qualified Admissions requirement.

### *CIVICS* - .5 credit, 9-10 Required; (fall semester only)

Civics is the study of what it means to be a U.S. citizen. The concepts discussed in the course revolve around these items; the Constitution, the Bill of Rights, Federalism, the Declaration of Independence, types of governments, and civil rights. Meets Qualified Admissions requirement

### *CRIMINAL JUSTICE* - .5 credit; 11-12 (fall semester only)

Criminal law is the branch of law that is concerned with defining crimes and enforcing criminal laws. The topics that will be discussed in this class are; crimes against people, crimes against property and juvenile justice.

### *CIVIL LAW* (spring semester only) - .5 credit; 11-12 (spring semester only)

Civil laws are non-criminal rules that define people's civil rights and responsibilities. They are designed to protect citizens in their dealings with one another. Discussion topics in this class are; tort law, contracts, car, housing, family law and consumer law.

*PSYCHOLOGY* (either semester) - .5 credit, 11-12

This course is designed to give a comprehensive coverage of basic concepts, principles and terminology. Significant psychologists and sketches of their works and theories will be introduced. Emphasis is placed on wise decision-making on topics that are of general interest to today's teenagers. The subjects are approached from an objective manner that will increase students understanding and application of knowledge related to these topics. Efforts will be made to help the student utilize the material in a daily practical manner. Meets Qualified Admissions requirement.

*AP HUMAN GEOGRAPHY* - 1 credit 10-12 , Pre-req: World History

This is a rigorous two-semester course that provides a systematic study of human geography including; nature of and perspectives on geography, population, cultural patterns and processes, political organization of space, agricultural and rural land use, and industrial and economic development. A "B" grade in World History is recommended. AP exam cost is at student expense. Students must pay a \$100.00 fee to enroll in the course. The fee will apply to the AP exam taken in the spring.

*SOCIOLOGY* (semester) - .5 credit, 11-12

Sociology provides the students with a comprehensive examination of the basic concepts, principles, and methods central to the scientific study of sociology. The course is designed to meet four major goals. The first goal is to teach student to think like sociologists. The second goal is to help students develop a sociological imagination, which will enable them to view their own lives within a larger social and historical context. The third goal is to help students understand and thus appreciate the rich diversity that is possible in social life by exposing them to data from a wide variety of cross-cultural and historical sources. The fourth goal is to give the student a brief overview of the field of sociology so that they may choose a variety of course options in college. Meets Qualified Admissions requirement.

## **SPECIAL EDUCATION DEPARTMENT**

*INTERRELATED CLASSROOM (IRC)*-1 credit per hour, 9-12, assigned

This program is offered through the Special Education Cooperative. Testing requirements must be met to participate in this program. Each student's program will be designed to meet his/her individual education plan (IEP) which will be written each year.

## **WORLD LANGUAGE DEPARTMENT**

*SPANISH I* - 1 credit - 9 - 12 (C or better in English recommended)

Spanish 1 is a course designed to teach the basic elements of the Spanish language and the many cultures it represents through a variety of activities designed to foster second language acquisition and cultural understanding. Via vocabulary and grammar study within a themed unit, the student will begin to speak, read, write, and understand spoken Spanish.

*SPANISH 2* - 1 credit - 10 - 12, Pre-req: Spanish 1 (C or above)

Spanish 2 is a continuation of Spanish language acquisition focusing on successful communication through speaking, listening, reading, and writing. A more thorough understanding of Hispanic cultures is also learned. Course strategies include a variety of activities and assessments. Units are focused on specific themes.

*SPANISH 3* – 1 credit – 11-12, Pre- req: Spanish 2 (C or better)

In level III Spanish, students continue to develop their proficiency in speaking, listening and writing: interacting with other speakers of Spanish; understanding oral and written messages in Spanish, and making oral and written presentations in the target language. They comprehend the main ideas of authentic materials that they read and hear, and are able to identify significant details when the topics are familiar. Spanish is used more often than in the lower levels of the class.

## MISCELLANEOUS

*TEACHER'S AIDE* - .5 credit per year, 11-12, Pre-req: 2.5 GPA or above and teacher approval. No excessive absences or tardies and maintain good attendance. Must be a Student in Good Standing and responsible. Application required & must be returned with signatures prior to enrollment. Each student is responsible for finding his/her own placement. Teacher aides will perform duties as directed by the teacher. Most work will be in the realm of administrative paperwork and teacher assistance and may be at any level from kindergarten through 12th grade. Student aides will be required to follow the policies set forth by the building principal.

*TUTOR CLASS* - No Credit, 9-12, approval of instructor, counselor &/or principal This course is designed to assist students who need help in two or more classes in order to be successful in school. Students have one brief assignment per class to assist with writing skills, critical thinking and working collaboratively. It is not designed for students who are already receiving other services. The student will receive individual assistance in organizational skills and specifically in the classes in which he/she is experiencing difficulty. This is a structured class and is not considered a study hall. A constant monitoring of grades and progress will be done and weekly contact with parents is expected. Students may be required to attend sessions before or after school (BASS). To be admitted to the Tutor program, a student must be recommended by the Student Assistance Team (SIT), tutor instructor, principal, or counselor.

### *SUPERVISED COMPUTER GRAPHICS JOURNALISM INTERNSHIP - 12*

Students may arrange summer internships or after-school internships with local media in order to further their knowledge of journalism and maximize their for scholarships and further employment. High school credit awarded will vary according to the hours spent in the internship. Students will be required to keep records of the time spent, knowledge gained and write a reflection paper documenting their experience.

*TECHNICAL ASSISTANT* - 1 credit, 11-12, App and approval by media specialist or instructor Students will be selected on the basis of technology ability, responsibility, honesty, cooperativeness, and ability to work with other students. Technical assistants are responsible to assist with wiring, hardware and software installation throughout the district, and other duties as assigned; care for and operate audiovisual equipment; assist media specialist or faculty with technology; learn and operate new software; help supervise and assist in the computer labs. Video skills preferred. Students may be assigned to the media center or a technology teacher in any of the schools.

*SPORTS TECH MEDIA PRODUCTIONS* - 1 credit, 10-12 Pre-req: GPA of B- or above recommended. Application and approval of instructor. LIMITED SPACE: 2 per block. Do you like working with video? Would you enjoy working with sports clips and producing games for the local cable channel & coaches? Then this is the class for you. Students in this class are required to put in extra time preparing game tapes and highlights outside of class. Students will also be required to update a weekly! Do you like working with video? Would you enjoy working with sports clips and producing games for the local cable channel & coaches? Then this is the class for you. Students in this class are required to put in extra time preparing game tapes and highlights outside of class. Students will also be required to update a weekly sports podcast on the HHS sports page. Production of various sports highlight tapes as well as the athletic banquet video will also be produced in this class. All students who enroll in this class must average at least a B in computer applications or telecommunications & multimedia. This is a demanding, but very rewarding class, as many of the projects created in this class are seen throughout the community.

*ADVANCED PLACEMENT COURSES* - 1 credit, 11-12 Pre-req: principal/counselor approval  
AP courses offered in the classroom. AP courses are designed for highly motivated students who are looking for challenging curriculum beyond the regular high school course offerings. Currently these classes are being offered with the expectation that the student will take the AP exam which can lead to college credit. The following online AP courses are available, but not limited to, AP History & Politics, AP Macro Economics, AP Micro Biology. Online students will be charged a fee of \$100.00 at the time of enrollment. See counselor or principal for further

*CONCURRENT CREDIT COURSES*

As approved by the Holton Board of Education, students who take a college course during their junior or senior year can receive concurrent credit if they meet the following requirements:

- 1) The course is taken from a certified Kansas College or University or the student has received pre-approval from the building administrator.
- 2) The course is not currently offered during the high school day. If the course is offered within the high school curriculum, the student must take the course at the high school.
- 3) The course can be taken in the evenings or during the school day. If the course is taken on-line, the student may choose to enroll in an independent study time to do this work during the day.

**WASHBURN INSTITUTE OF TECHNOLOGY**- 3 credits per year, 11-12, Pre-req: Application for admission and testing must be done the semester prior to enrollment. Information is available in the guidance office.

This course is designed to meet the technical needs of students who are primarily planning to work after high school. The WIT program allows a student a chance to attend WIT in Topeka in the mornings and receive concurrent credit at both schools. Bus transportation is provided for students by USD #336; however, students are required to pay for their own tools, equipment and books. For further information contact Susan Rhule or Traci Frazier, counselors at Holton High School (785-364-2181) or Doug Durow, counselor at WIT (273-7140). A WIT representative visits HHS once a month.

**WASHBURN INSTITUTE OF TECHNOLOGY COURSES AVAILABLE:**

**BUSINESS TECHNOLOGY**

Business Administrative Technology Legal Office Professional! Medical Office Specialist Warehousing/Sales

**ELECTRIC TECHNOLOGY** Computer Repair & Networking! Electronic Technology

**HEALTH OCCUPATIONS** Nursing Assistant Pre-Nursing Practical Nursing

**METAL TECHNOLOGY**

Machine/Tool Technology Welding

**HUMAN RESOURCES TECHNOLOGY** Child Care Occupational Exploration

Professional Cooking Horticulture

**MECHANICAL TECHNOLOGY**

Collision Repair Auto Technology Diesel Mechanics

**GRAPHIC TECHNOLOGY**

Graphics/Printing Technology Photo Technology

**DESIGN TECHNOLOGY** Civil Engineering Technology Conditioning

Interior Design Technical Drafting Cabinet/Millwork

**BUILDING AND INDUSTRIAL TECHNOLOGY** Building Technology Commercial

Construction Electricity, Heating, & Air

Industrial Technology

***All students attending USD #336 may participate in education programs and activities, including, but not limited to health, physical education, music, vocational & technical education, regardless of race, national origin, age, handicap or sex.***