

Buckeye Career Center Program of Studies 2012-2013

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**BUCKEYE CAREER CENTER
PROGRAM OF STUDIES
2012-2013**

During your two years at Buckeye Career Center, you will be laying the foundation for your future years. You will be deciding if you will be attending college, pursuing a trade, joining the military, or entering the workforce immediately upon graduation. Regardless of your decision, it is important that you select your courses with care and in a manner that will prepare you for your goals after high school.

To help you with this selection, the staff of Buckeye Career Center has prepared this Program of Studies with you in mind. You will find a brief description of each course offered and information related to the planning of your high school years. You and your parents are urged to talk with teachers, counselors, and administrators as you develop your schedule.

Since curriculum revision is constantly taking place, changes may occur between the time you receive this booklet and the time you graduate. Your teachers and counselors will inform you of any changes that could affect your plans.

Many personnel and programming decisions are made each year based upon these student course requests. For this reason, it is important to make thoughtful and appropriate selections. We absolutely discourage the thought of registering for a course with the assumption that it can be changed should it prove not to be of your liking. Registration, therefore, should be a result of combined input from the student, parents, current teacher, and guidance counselor. There are very few occasions in that once a course is started; the student would be permitted to drop the class. Course changes will not be made for the reason of teacher preference. However, if a student is repeating a course previously failed, a change of teacher placement may be considered.

The teachers, staff, and administration expect you to have a challenging and successful educational experience at Buckeye Career Center.

Mr. Tom Hackenbracht.....	Director
Mr. Jay Davis.....	Assistant Director
Mr. Alan Furner.....	Supervisor
Mr. Brad Callender.....	Supervisor
Ms. Julie Brinkman.....	Supervisor
Mr. Steve Bender.....	Guidance Counselor
Ms. Jennifer Hindman.....	Guidance Counselor
Ms. Kay Wise.....	Guidance Counselor
Ms. Jean Owens.....	Guidance Counselor
Mr. Roger Bond.....	Superintendent
Ms. Kathy Greenwich.....	Director of Business and Community Relations

CARROLLTON HIGH SCHOOL GRADUATION REQUIREMENTS

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	4.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>6.00</u> credits
Total Credits Needed for Graduation		21.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Arts, or Foreign Language.

**CLAYMONT HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2013)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	3.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>7.00</u> credits
Total Credits Needed for Graduation		21.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Arts, or Foreign Language.

**CLAYMONT HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2014)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	4.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>6.00</u> credits
Total Credits Needed for Graduation		21.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Arts, or Foreign Language.

**CONOTTON VALLEY HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2013)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	3.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>7.00</u> credits
Total Credits Needed for Graduation		21.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Arts, or Foreign Language.

**CONOTTON VALLEY HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2014)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	4.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>6.00</u> credits
Total Credits Needed for Graduation		21.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Arts, or Foreign Language.

**DOVER HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2013)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	3.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>7.00</u> credits
Total Credits Needed for Graduation		21.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Arts, or Foreign Language.

**DOVER HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2014)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	4.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>6.00</u> credits
Total Credits Needed for Graduation		21.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Arts, or Foreign Language.

**GARAWAY HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2013)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	3.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>6.00</u> credits
Total Credits Needed for Graduation		20.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Art, or Foreign Language.

**GARAWAY HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2014)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	4.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>5.00</u> credits
Total Credits Needed for Graduation		20.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Art, or Foreign Language.

**HILAND HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2013)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	3.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>7.00</u> credits
Total Credits Needed for Graduation		21.00 credits

and

Pass all five parts of the Ohio Graduation Test

**HILAND HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2014)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	4.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>6.00</u> credits
Total Credits Needed for Graduation		21.00 credits

and

Pass all five parts of the Ohio Graduation Test

**INDIAN VALLEY HIGH SCHOOL
GRADUATION REQUIREMENTS**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	4.00 credits
Social Studies	-	4.00 credits
Science	-	3.00 credits
*Electives	-	<u>6.00</u> credits
Total Credits Needed for Graduation		22.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Arts, or Foreign Language.

Note: Students must complete a total of 20 hours of Community Service. These hours are broken down into 10 hours during Junior year and 10 hours during Senior year.

**NEWCOMERSTOWN HIGH SCHOOL
GRADUATION REQUIREMENTS**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	4.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
Financial Literacy	-	.50 credit
*Electives	-	<u>5.50</u> credits
Total Credits Needed for Graduation		21.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit of Fine Arts and one half unit of Business/Technology.

**NEW PHILADELPHIA HIGH SCHOOL
GRADUATION REQUIREMENTS**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	4.00 credits
Social Studies	-	4.00 credits
Science	-	4.00 credits
*Electives	-	<u>4.00</u> credits
Total Credits Needed for Graduation		21.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Arts, or Foreign Language.

**RIDGEWOOD HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2013)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	3.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>7.00</u> credits
Total Credits Needed for Graduation		21.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Arts, or Foreign Language.

**RIDGEWOOD HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2014)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	4.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>6.00</u> credits
Total Credits Needed for Graduation		21.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Fine Arts (art or music).

**STRASBURG HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2013)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	3.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>6.00</u> credits
Total Credits Needed for Graduation		20.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Arts, or Foreign Language

**STRASBURG HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2014)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	4.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>5.00</u> credits
Total Credits Needed for Graduation		20.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Arts, or Foreign Language

**TUSCARAWAS CENTRAL CATHOLIC HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2013)**

Health	-	.50 credit
Physical Education	-	.50 credit
Religion	-	4.00 credits
Language Arts (English)	-	4.00 credits
Mathematics	-	3.00 credits
Social Studies	-	4.00 credits
Science	-	3.00 credits
Foreign Language	-	2.00 credits
The Arts	-	1.00 credits
Electives	-	<u>3.00</u> credits
Total Credits Needed for Graduation		25.00 credits

and

Pass all five parts of the Ohio Graduation Test

**TUSCARAWAS CENTRAL CATHOLIC HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2014)**

Health	-	.50 credit
Physical Education	-	.50 credit
Religion	-	4.00 credits
Language Arts (English)	-	4.00 credits
Mathematics	-	4.00 credits
Social Studies	-	4.00 credits
Science	-	3.00 credits
Foreign Language	-	2.00 credits
The Arts	-	1.00 credits
Electives	-	<u>2.00</u> credits
Total Credits Needed for Graduation		25.00 credits

and

Pass all five parts of the Ohio Graduation Test

**TUSKY VALLEY HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2013)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	3.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>7.00</u> credits

Total Credits Needed for Graduation 21.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Arts, or Foreign Language.

Note: Students must perform a minimum of 16 hours of Community Service.

**TUSKY VALLEY HIGH SCHOOL
GRADUATION REQUIREMENTS
(Class of 2014)**

Health	-	.50 credit
Physical Education	-	.50 credit
Language Arts (English)	-	4.00 credits
Mathematics	-	4.00 credits
Social Studies	-	3.00 credits
Science	-	3.00 credits
*Electives	-	<u>7.00</u> credits

Total Credits Needed for Graduation 22.00 credits

and

Pass all five parts of the Ohio Graduation Test

*Electives must include one unit or two half units in Business/Technology, Fine Arts, or Foreign Language.

Note: Students must perform a minimum of 16 hours of Community Service.

REGISTRATION REQUIREMENTS

1. A student may not schedule any study halls, without parent's signature next to block on the course request form. A student may not request more than (1) study hall per day. A student's schedule must reflect 9 periods of class per semester unless enrolled in courses at the home school, a post secondary program, or unless otherwise outlined in the student's IEP.
2. Planning a schedule for the next school year is a difficult task and situations may occur requiring a change in that schedule. These schedule changes, however, have a serious effect on class size, teacher assignments, and the overall master schedule, and therefore, will be approved sparingly. The student and parent are urged **not** to plan a program with the idea that it can be changed. Schedule changes are rare and will only be made under extenuating circumstances. Our Board of Education approved schedule change policy is as follows: Changes in a student's schedule will be made only during the first ten days of school. Second semester courses may be changed five days prior to the beginning of the semester. Any change after that time will require parental permission and authorization from a school administrator. Changes may only be made due to schedule conflicts/errors, prerequisite and credit deficiencies, and availability of a previously closed course. Any dropped class will result in the grades from that class remaining on the student's record.
3. Grading/Scheduling/Credit matters not discussed in school policy may be handled on a case-by-case basis. Consult your guidance counselor regarding unique situations.
4. Classes with low enrollment are subject to cancellation without notice. Alternative classes will then need to be selected by the affected students.
5. Teacher recommendations are required for all Language Arts courses, and all Mathematics courses. **CAUTION: FAILURE TO HEED TEACHERS' RECOMMENDATIONS IS DONE SO AT A CONSIDERABLE RISK OF FAILURE.** Class changes can only be made under the above guidelines.
6. (Cosmetology Juniors) You are required to schedule Biology-Cosmo during your Junior year. (Esthetician Seniors) You are required to schedule Biology-Cosmo during your Senior year.
7. You must take the related classes listed with your lab choice, if there are related courses listed.

COLLEGE RECOMMENDATIONS

Students who plan to enter a 4-year college or university should know the minimum requirements of the colleges to which they apply. Many recommend at least the following:

Language Arts (English).....	Four (4) Units
Laboratory Science.....	Four (4) Units
Mathematics.....	Four (4) Units (Algebra I and Above)
Foreign Language.....	Three (3) Units (of the same language)
Social Studies.....	Four (4) Units
Visual Art, Performing Art, Business or Humanities.....	One (1) Unit

BUCKEYE CAREER CENTER

ADULT EDUCATION

RECOMMENDATIONS

Students applying for full-time programs must possess a high school diploma or GED and have no felony record.

Automotive Tech, Automotive Collision Repair, and Power Equipment/Small Engines students all need skills in math, measurements, and basic mechanical ability. Auto Tech students additionally need computer skills.

Medical Assisting; Medical Office & Billing Specialist; and Dental Assisting students need skills in science (anatomy & nerves), spelling, math proportions & metric system, and basic computer. Basic patient care techniques are preferred, but not required. Medical Office & Billing Specialist students need keyboarding skills. Certain misdemeanors will disqualify individuals from working in the medical field.

Legal Administrative Assisting and Office Technology students need skills in spelling, keyboarding, and basic computers. Negative experiences with the court system will impact an employer's perception of candidates for employment in the legal field.

Cosmetology students need skills in science (chemistry & anatomy) and mathematical proportions as well as manual dexterity.

Ohio Peace Officer Training Academy (OPOTA) students need to be in good physical condition. Desired skills are reading and memorization with a calm, patient demeanor. Students must pass a criminal background check.

Utility Linesworker students should have no fear of heights. Skills in math and teamwork are highly desired along with any electrical background. Individuals should enjoy working outside and have clean driving histories.

Heating, Ventilating, Air Conditioning, & Refrigeration (HVAC-R) students need skills in math and measurements.

Heavy Equipment/CDL A Operators must be at least 21 years of age and hold a valid driver's license with a clean driving history. Must be able to pass ODOT physical and drug screen and have no felony convictions.

Comparison of Diplomas with Honors Criteria

Students need to fulfill all but one of the applicable criteria for the Diploma with Honors.

Subject	International Baccalaureate Diploma with Honors for Classes of 2012 and Beyond ***	Academic Diploma with Honors for Classes 2011 and Beyond	Career-Technical Diploma with Honors for Classes 2012 and Beyond
English	4 units, plus the two required International Baccalaureate essays	4 units	4 units
Mathematics	4 units, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	4 units, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	4 units, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
Science	4 units including biology, chemistry and at least one additional advanced science ****	4 units, including physics and chemistry	4 units, including two units of advanced science ****
Social Studies	4 units	4 units	4 units
Foreign Language	4 units minimum, including at least 2 units in each language studied	3 units (must include no less than 2 units for which credit is sought), i.e., 3 units of one language or 2 units each of two languages	N/A
Fine Arts	1 unit	1 unit	N/A
Electives	N/A	N/A	4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post secondary credit
Grade Point Average	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT Score [excluding scores from the writing sections]*	27 ACT / 1210 SAT	27 ACT / 1210 SAT	27 ACT / 1210 SAT
Additional Assessment	Must complete criterion-referenced assessments in a minimum of six academic disciplines	N/A	Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent

Diploma with Honors requirements pre-suppose the completion of all high school diploma requirements in the Ohio Revised Code including:

- ½ unit physical education**
- ½ unit health
- ½ unit in American history
- ½ unit in government

* Writing sections of either standardized test should not be included in the calculation of this score.

** SB 311 allows school districts to adopt a policy exempting students who participate in interscholastic athletics, marching band or cheerleading for two full seasons or two years of JROTC from the physical education requirement.

****** The International Baccalaureate track to the Honors Diploma requires full completion of all requirements for an IB Diploma Programme including the Theory of Knowledge Course in meta-cognition, the Extended Essay project and the 150 hour Creativity, Action and Service (Service-Learning) requirement. Note: The International Baccalaureate Certificate Program does not qualify for this track to the Diploma with Honors.***

******* Advanced science refers to courses in the Ohio Core that are inquiry-based with laboratory experiences and align with the 11/12th grade standards (or above) or with an AP science course, or with the new high school syllabi, or with an entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany, or astronomy), or contain material above the current OGT level.***

ELECTIVES

Course Listing

COURSE NUMBER	COURSE TITLE	CREDIT	NUMBER OF SEMESTERS	PREREQUISITE
151121	Psychology	.500	1	-
151300	Sociology	.500	1	-
230000	Creative Life Skills	.500	1	-
300050	Wellness	.500	1	-
340035	Photoshop	.500	1	-
990362	Employability and Career Safety	.500	1	-
990364	Personal Finance	.500	1	-
990370	Computer Applications	.500	1	-
991462	Welding	.500	1	-
992462	Construction Foundation	.500	1	-
993462	Horticulture	.500	1	-

Course Descriptions

151121 Psychology

.50 Credit
One Semester
Grade 11 or 12

The students will study an overview of selected issues concerning human personality and relationships found in current American culture. We will examine the history of mental illness as well as the history of psychology. We will examine the physical, emotional, and psychological needs of individuals. Topics of study include: motivation and learning, social and cultural behaviors and expectations, personality, intelligence, abnormal behavior, cognition, and adolescence.

Student expectations: The critical analysis of course materials, the discussion-debate of course related materials, and scientific research and experimentation in and with psychological concepts.

151300 Sociology

.50 Credit
One Semester
Grade 11 or 12

Sociology is a social science that studies human society and social behaviors. We will examine how your behavior is influenced by social factors. We will also discuss how you have learned a set of social behaviors from others. We will examine the many different perceptions as to what reality is. Throughout this course, we will examine how your social environment shapes you, and how, you in turn shape your social environment.

Student expectations: The student will examine the history of sociology. The student will explore cultural diversity, conformity, and adaptation. The student will conduct social experiments. The student will compare/contrast deviant and socially acceptable behaviors. The student will apply sociological concepts to current issues.

230000 Creative Life Skills

.50 Credit
One Semester
Grade 11 or 12

Creative Life Skills is a semester class designed to prepare students to successfully cope with life on their own after graduating high school. A strong emphasis is placed on people skills, consumer smarts, health, wellness, and nutrition. Students will participate in classroom assignments, projects, and discussions.

300050 Wellness

.50 Credit
One Semester
Grade 11 or 12

A course that addresses general wellness strategies. Credit earned is not applied towards meeting graduation requirements for health and physical education due to limited focus on content related to those areas.

340035 Photoshop

.50 Credit
One Semester
Grade 11 or 12

Course includes design techniques used to generate computer graphics. Topics may include use of tools to draw, import, edit, create, create ads, photos, original artwork, etc.

990362 Employability and Career Safety

.50 Credit
One Semester
Grade 11 or 12

Employability is the study of the elements and procedures necessary for a student to find a job. The student will study employer expectations, create resumes and sample cover letters, complete written and online applications, practice interviewing techniques, study business etiquette.

Student handouts and materials will be used. Students will be expected to use computers to create resumes and cover letters and to complete applications and assignments.

In Career Safety, students complete online presentations and assessments to gain work related skills for entering, competing and advancing in a changing work world. Students will obtain the 10 hour OSHA certification card required by most employers. This safety certification is recognized by many area employers.

990364 Personal Finance

.50 Credit
One Semester
Grade 11 or 12

This should be one of the first elective courses taken. This course is designed to provide students with learning experiences that encourage smart economic decision-making skills in personal finance. Students will learn how to manage their personal resources by making informed decisions in the market place. Students will develop and utilize rational decision-making processes to form personal financial decisions in their role as citizens, workers, and consumers.

The goal of this class is to provide each student with the knowledge and practical skills to participate as a responsible consumer.

990370 Computer Applications/Microsoft Certification

.50 Credit
One Semester
Grade 11 or 12

Transforming input into printed communication using the touch method on computers, keyboards, and similar equipment. Includes word processing, database, spreadsheet, presentation, and calendaring/scheduling software. Microsoft certifications are available.

991462 Welding

.50 Credit
One Semester
Grade 11 or 12

This course is intended to give a student insight into how to do a basic arc weld.

992462 Construction Foundations

.50 Credit
One Semester
Grade 11 or 12

This will be a course that discusses basic wood working course including reading of prints, ordering materials, and building projects, plus delve into the areas of residential wiring, masonry, and HVACR.

993462 Horticulture

.50 Credit
One Semester
Grade 11 or 12

Students will learn basic plant propagation from seed, cutting, bulb, corm, and plantlet. In addition, students will understand seed, plant, and flower structure and uses. Fundamentals of greenhouse operations and propagation schedules will also be emphasized. Also included is the production of garden vegetables in an ebb and flow hydroponics system. Second semester students will schedule and propagate a variety of vegetable plants for outdoor garden.

FOREIGN LANGUAGE

The study of a foreign language contributes to an understanding of other cultures. There is a continuing need for a broader and deeper understanding of our ever-changing world. Language study is valuable for the scientist, statesman, industrialist, traveler, and citizen. Studying a foreign language helps students see the English language from another perspective. The student must be able to analyze English sentences accurately before he/she can express similar thoughts in another language. These courses are designed to aid the college-bound student and meet partial requirement for college entrances.

Course Listing

COURSE NUMBER	COURSE TITLE	CREDIT	NUMBER OF SEMESTERS	PREREQUISITE
060265	Spanish I	1.000	2	-
060266	Spanish II	1.000	2	Spanish I
060267	Spanish III	1.000	2	Spanish II
060268	Spanish IV	1.000	2	Spanish III

Course Descriptions

060265 Spanish I

1.00 Credit
Two Semesters
Grade 11 or 12

Spanish I is an introduction to the Spanish language and culture. Students will learn the basic grammar and vocabulary needed for understanding and speaking Spanish. A great deal of memory work and accuracy is required to be successful in this course. Emphasis is placed on listening, understanding, and correct pronunciation of the spoken language. Hispanic culture is an integral part of language study and is introduced through the use of authentic materials and technology.

060266 Spanish II

1.00 Credit
Two Semesters
Grade 11 or 12
Prerequisite: Spanish I

Spanish II is a continuation of Spanish I. Grammar topics and vocabulary are expanded through the use of practical real-life situations. Emphasis is placed on understanding, responding, speaking, and writing the language. Students are expected to have limited proficiency in the language. Additional aspects of Hispanic culture are discovered with the use of authentic materials and technology.

060267 Spanish III

1.00 Credit
Two Semesters
Grade 11 or 12
Prerequisite: Spanish II

Spanish III will stress oral communication in a variety of situations. Students will work more independently and be encouraged to express their ideas and opinions. They will read and translate short stories in Spanish. Continued culture study will include several craft projects and the use of authentic materials and technology. Much of the class will be conducted in Spanish. Advanced grammar skills used in writing-speaking.

060268 Spanish IV

1.00 Credit
Two Semesters
Grade 11 or 12
Prerequisite: Spanish III

Spanish IV is the reinforcement and the use of all grammar, verb, and vocabulary structures learned at previous levels. Students will be expected to read, write, and speak in the target language. Class will be conducted mostly in Spanish with new concepts being taught in both the target language and English. Students will work towards passing college placement tests.

LANGUAGE ARTS DEPARTMENT

All students are required to select from the following: Intervention Language Arts I-IV, Integrated Language Arts II, Integrated Language Arts III, Enriched Language Arts III, Integrated Language Arts IV, or Enriched Language Arts IV.

Course Listing

COURSE NUMBER	COURSE TITLE	CREDIT	NUMBER OF SEMESTERS	PREREQUISITE
050014	Intervention Language Arts I-IV	1.000	2	Must have an IEP
050170	Integrated Language Arts II	1.000	2	Lang Arts I
050180	Integrated Language Arts III	1.000	2	Lang Arts II
050183	Enriched Language Arts III	1.000	2	Lang Arts II
050190	Integrated Language Arts IV	1.000	2	Lang Arts III
050193	Enriched Language Arts IV	1.000	2	Lang Arts III

Course Descriptions

050014 Intervention Language Arts I-IV

1.00 Credit
Two Semesters
Grade 11 and 12
Prerequisite: Must have an IEP

This course is year long, one credit hour course that focuses on a review of basic grammar skills, and the continued development of reading, vocabulary, and writing skills. Students will be exposed to different types of literature that include novels, short stories, nonfiction, drama, and poetry. The class will emphasize writing skills, working to improve and refine writing paragraphs, essays, and business communications. Instruction will be provided by an intervention specialist with modified textbooks and materials and accommodations.

050170 Integrated Language Arts II

1.00 Credit
Two Semesters
Grade 10

Prerequisite: Language Arts I

Language Arts II, World Literature, is a year long, one credit course that emphasizes reading different types of literature: short story, novel, drama, poetry and non-fiction. Developing reading and vocabulary attack skills through decoding, literary terms, glossaries, contextual clues and independent reading will strengthen skills analysis.

In addition, students will continue to polish grammar and writing skills. Composition instruction builds on developing a main idea, supporting that idea and creating linked paragraphs.

Supplementing the classroom work, students will develop research skills utilizing the Media Center. Oral communication instruction emphasizes effective listening and speaking techniques and provides opportunities for students to integrate other reading and language arts skills as students learn to express ideas verbally using an integrated approach. The students gain reading, writing, speaking and listening skills necessary to perform successfully both in the school and the community.

050180 Integrated Language Arts III

1.00 Credit
Two Semesters
Grade 11

Prerequisite: Language Arts II

Language Arts III, American Literature, is a year long, one credit course that focuses on reading, discussing, writing, and thinking about many facets of our changing language and literature, both fiction and non-fiction. Students will learn to think critically about the works studied in class through dialogue, both written and oral, presentations, projects, and synthesis.

In addition to classroom work, you will complete one major project per grading period. These projects may include, but are not limited to: career and research projects, poetry projects, expository and technical writing projects, speeches, and oral presentations. We will also read at least six novels or their equivalent per year. (Two class novels and four independent novels.) Writing portfolios may also be kept during the school year to monitor your writing progress.

Grammar skills will be implemented throughout the year as applicable. Daily grammar lessons will be practiced on the board and grammar notebooks will be kept for weekly grades.

050183 Enriched Language Arts III

1.000 Credit
Two Semesters
Grade 11

Prerequisite: Language Arts II

Enriched Language Arts III, American Literature, is a fast-paced, in depth one credit course that focuses upon reading, discussing, writing, and thinking about many facets of our changing language and literature, both fiction and non-fiction. Students will learn to think critically about the works studied in class through dialogue, both written and oral, presentations, projects, synthesis, and evaluation.

In addition to classroom work, students will complete one major and one minor project per grading period. The projects will include one traditional research paper. They may include, but are not limited to, career and research projects, poetry projects, expository and technical writing projects, speeches, and oral presentations.

Students will be expected to read at least six college preparatory-level novels per year. (Two class novels and four independent novels).

Writing portfolios will be kept during the school year to monitor progress using instructor, peer, and self review techniques.

Grammar skills will be implemented throughout the year as applicable. Daily grammar lessons will be done on the Smart Board following the ACT format.

050190 Integrated Language Arts IV

1.00 Credit
Two Semesters
Grade 12

Prerequisite: Language Arts III

Language Arts IV, British Literature, is a year long, one credit course that focuses on reading, discussing, writing, and thinking about many facets of our changing language and literature, both fiction and non-fiction. Students will learn to think critically about the works studied in class through dialogue, both written and oral, presentations, projects, and synthesis.

In addition to classroom work, you will complete one major project per grading period. These projects may include, but are not limited to: career and research projects, poetry projects, expository and technical writing projects, speeches, and oral presentations. They will also read at least six novels or their equivalent per year. (Two class novels and four independent novels.) Writing portfolios may also be kept during the school year to monitor your writing progress.

Grammar skills will be implemented throughout the year as applicable. Daily grammar lessons will be practiced on the board and grammar notebooks will be kept for a weekly grade.

050193 Enriched Language Arts IV

1.00 Credit
Two Semesters
Grade 12

Prerequisite: Language Arts III

Enriched Language Arts IV, British Literature, is a fast-paced, in depth one credit course that focus upon reading, discussing, writing, and thinking about many facets of our changing language and literature, both fiction and non-fiction. Students will learn to think critically about the works studied in class through dialogue, both written and oral, presentations, projects, synthesis, and evaluation.

In addition to classroom work, students will complete one major and one minor project per grading period. The projects will include one traditional research paper. They may include, but are not limited to, career and research projects, poetry projects, expository and technical writing projects, speeches, and oral presentations.

Students will be expected to read at least six college preparatory-level novels per year. (Two class novels and four independent novels).

Writing portfolios will be kept during the school year to monitor progress using instructor, peer, and self review techniques.

Grammar skills will be implemented throughout the year as applicable. Daily grammar lessons will be done on the Smart Board following the ACT format.

MATH DEPARTMENT

Course Listing

COURSE NUMBER	COURSE TITLE	CREDIT	NUMBER OF SEMESTERS	PREREQUISITE
111950	Intervention Math I-IV	1.000	2	Must have an IEP
110301	Algebra I	1.000	2	-
111200	Geometry	1.000	2	Algebra I
110490	Algeo	1.000	2	Algebra I, Geometry
110303	Transitional Algebra II	1.000	2	Algebra I, Geometry
110302	Algebra II	1.000	2	Algebra I, Geometry
111850	College Algebra	1.000	2	Algebra II
110600	Pre-Calculus	1.000	2	Algebra II
111601	Applied Trigonometry	1.000	2	Algebra II
030500	Business Math	1.000	2	Alg II, Senior Only

Course Descriptions

111950 Intervention Math I-IV 1.00 Credit
Two Semesters
Grade 11 and 12
Prerequisite: Must have an IEP

There are multiple options for an Intervention Math class. We offer Financial Math I and II, Geometry, Algebra and Algebra II. These courses are grade level material at a slower pace and lower intensity level compared to that of a Regular Education class. The material has been modified to fit the needs of struggling learners. The instruction is provided by an Intervention Specialist in a resource room.

110301 Algebra I 1.00 Credit
Two Semesters
Grade 10 and 11

The main goal of Algebra I is to develop fluency in solving equations. It is the introduction of variables, constants, expressions, and equations. Topics covered are solving equations, simplifying expressions, understanding order of operations, using properties, arithmetic operations with positive and negative numbers, polynomials, factoring, graphing (linear and quadratic equations), working with radicals and expanding arithmetic knowledge. Students will use technology and models to investigate and explore mathematical ideas and relationships and develop multiple strategies for analyzing complex situations. Students will apply mathematical skills and make meaningful connections to life and experiences.

111200 Geometry 1.00 Credit
Two Semesters Grade 10, 11, and 12
Prerequisite: Algebra I

This is a comprehensive course featuring coverage of geometric terms and processes, logic, and problem solving. It includes topics such as parallel lines and planes, congruent triangles, and quadrilaterals. Various forms of proof are studied. Emphasis is placed upon reasoning and problem solving skills gained through study of similarity, areas, volumes, circles, translations, and coordinate geometry. Additional technology used is Geometer's Sketchpad, which is explanatory software, and TI-nSpire calculators.

110490 Algeo 1.00 Credit
Two Semesters Grade 11 and 12
Prerequisite: Algebra I and Geometry
Required Materials: OGT Calculator

This course is for students who have taken Algebra I and Geometry, and had Below a C average. Another option could be that you receive a teacher recommendation. It will reinforce and build upon mathematical skills taught in previous classes with additional advanced computation. The algebra portion will include properties of addition and multiplication, integers, fractions, ratio, proportions, percents, and data analysis including graphs. The geometry portion will include basic geometry concepts, perimeter, area, volume, and surface area. At the end of the year the following subjects will be covered briefly. They include transformations and basic trigonometry.

110303 Transitional Algebra II 1.00 Credit
Two Semesters Grade 11 or 12
Prerequisite: Algebra I & Geometry (Preferred)
Recommended Materials: TI Graphing Calculator
Only TI-Nspire will be used in class

This course is for students who have taken Algebra I and earned a C or below. The topics covered in this course are aligned to the basic requirements of the upcoming Algebra II End of Course Exam. They include: Real and Complex Numbers, Polynomials, Rational Expressions, Exponents and Radicals, Equations and Inequalities, Systems of Equations and Inequalities, Quadratics, and Functions (polynomial, rational, exponential). The textbook is on-line with digital support available.

110302 Algebra II

1.00 Credit
Two Semesters Grade 11 and 12
Prerequisite: Algebra I and Geometry (Preferred)
Recommended Materials: TI Graphing Calculator
Only TI-Nspire will be used in class

The course is for students who have completed Algebra I and maintained a C or above average. This course is aligned with high school standards, assessments, and curriculum. The topics covered will be expressions, equations, inequalities, solving linear systems and regression models, functions (quadratic, absolute value, polynomial, radical, rational, exponential and logarithmic), and matrices. The textbook is on-line with digital support available.

111850 College Algebra

1.00 credits
Two Semesters Grade 11 or 12
Prerequisite: Algebra I, Geometry, & Algebra II
Required Materials: TI-83 Plus Graphing Calculator
Only TI-Nspire will be used in class

This course is for students who finished Algebra II but needs an extra year of math to prepare for credit-bearing college-level courses. This is the next course for Buckeye Career Center students who have completed Transitional Algebra II. Topics covered will be similar to the topics covered in Pre-calculus but will be a much slower paced course. The courses focuses identification of functions and shifting, reflecting, and stretching of these graphs, finding the inverse of a function, finding all real and complex roots of a polynomial by using synthetic division, p/q theorem, Descartes Rule of Signs, quadratic formula, and using the graphing calculator, solving exponential and logarithmic functions, solving and estimating real world problems using regression models, graphing the six trigonometric functions, and their inverses, verifying trigonometric identities, solving trigonometric equations, solving real world problems using laws of sines and cosines, solving system of equations using matrices.

030500 Business Math

1.00 Credit
Two Semesters Grade 12
Prerequisite: Algebra II

This is a senior level math course. This course is for students who have completed Algebra II. The course focuses on business problem solving using computation skills both with and without automated equipment, banking services, payroll, taxes, insurance, discounts (invoice, trade, & cash), interest rates, markups, loans, and annuities. The content of a course for which math credit is given should be aligned with Ohio Academic Content Standards and include business-related applications.

110600 Pre-Calculus

1.00 Credit
Two Semesters Grade 11 or 12
Prerequisite: Algebra II

Required Materials: TI Graphing Calculator Required
Only TI-Nspire will be used in class

This course is for students who have completed Algebra II and maintained a C or above average. The course focuses on identification of functions and shifting, reflecting, and stretching of these graphs, finding the inverse of a function, finding all real and complex roots of a polynomial by using synthetic division, p/q theorem, Descartes Rule of Signs, quadratic formula, and using the graphing calculator, solving exponential and logarithmic functions, solving and estimating real world problems using regression models, graphing the six trigonometric functions, and their inverses, verifying trigonometric identities, solving trigonometric equations, solving real world problems using laws of sines and cosines, solving system of equations using matrices, and the introduction of limits and derivatives.

111601 Applied Trigonometry

1.00 Credit
Two Semesters
Grade 11 or 12

Prerequisite: Algebra I, Geometry, & Algebra II
Required Materials: TI Graphing Calculator Required
Only TI-Nspire will be used in class

This course is for students who have taken Algebra II or is a senior in Precision Machining and CAD at Buckeye Career Center. The course focuses on math concepts as they pertain to realistic industry related problems and actual industrial applications and their relationships to geometry and trigonometry. Topics also covered are the unit circle and the six trigonometry functions being sine, cosine, tangent, secant, cosecant, and cotangent, graphing the six trigonometric functions and their inverses, verifying trigonometric identities by using the sum, difference, double angle, and half-angle formulas, solving trigonometric equations, solving real world problems using laws of sines and cosines, and using properties of addition and multiplication to calculate the trigonometric form of complex numbers.

SCIENCE DEPARTMENT

Students will be required to earn one unit of biological science, one unit of a life science, and one unit of physical science.

1. Chemistry is recommended for those planning careers in any science-related field, such as nursing, engineering, medicine, and biology.
2. Physics is recommended for those planning careers in engineering, medicine, science, and science-related fields.

Course Listing

COURSE NUMBER	COURSE TITLE	CREDIT	NUMBER OF SEMESTERS	PREREQUISITE
130301	Chemistry	1.000	2	Alg I and Bio
130302	Physics	1.000	2	Alg I and Bio
132212	Physical Science	1.000	2	-
132230	Biology	1.000	2	Physical Science
132220	Intervention Science I-IV	1.000	2	Must have an IEP
132234	Biology - Cosmo	1.000	2	Admit to Cosmo
134998	Advanced Earth and Space Science	1.000	2	-
132351	Advanced Environmental Science	1.000	2	-
133998	Anatomy and Physiology	1.000	2	Biology I
139998	Botany	1.000	2	Biology I

Course Descriptions

130301 Chemistry

1.00 Credit

Two Semesters

Grade 11 or 12

Prerequisite: Algebra I and Biology

This class serves as an introduction to chemistry. This class is designed to introduce chemical principles and develop critical thinking skills. During this class we will cover the following topics: what matter is and how it changes, atomic structure including arrangement of electrons, the Periodic Law and the periodic table, chemical bonds, understanding chemical formulas and chemical compounds, chemical equations and types of reactions, stoichiometry, and acids and bases.

130302 Physics

1.00 Credit
Two Semesters
Grade 11 or 12
Prerequisite: Algebra I and Biology

This class serves as an introduction to the basic principles of physics. Topics to be covered include: motion in one dimension, motion in two dimensions, forces and the laws of motion, work and energy, momentum and collisions, waves and vibrations, sound and light, and heat and thermodynamics. Geometry is a recommended prerequisite for this course.

132212 Physical Science

1.00 Credit
Two Semesters
Grade 10, 11, or 12

This course is designed for students who have not completed a course in basic physical science. The course deals with using science and measurement, forces and motion, work and energy, electricity and magnetism, properties of matter, and changes in matter as occurs with bonding and chemical reactions.

132230 Biology

1.00 Credit
Two Semesters
Grade 11 or 12
Prerequisite: Physical Science

This course deals with both the animal and plant kingdoms. Included are topics on microscopic organisms, invertebrates, vertebrates (including human biology), the importance, classification, and processes of plant life.

132220 Intervention Science I-IV

1.00 Credit
Two Semesters
Grade 11 or 12
Prerequisite: Must be have an IEP

There are multiple options for an Intervention Science class. We offer Earth and Space, Environmental, and Biology. These courses are grade level material at a slower pace and lower intensity level compared to that of a Regular Education class. The material has been modified to fit the needs of struggling learners. The instruction is provided by an Intervention Specialist in a resource room.

132234 Biology - Cosmo 1.00 Credit
Two Semesters
Grade 11 or 12
Prerequisite: Accepted into Cosmetology or Esthetician Program

This course is for junior cosmetology students. The class covers infection control, general anatomy and physiology, skin structures, and diseases. Also, the course covers the basics of chemistry and electricity.

134998 Advanced Earth and Space Science 1.00 Credit
Two Semesters
Grade 11 or 12

This course studies the structural components of the earth, plate tectonics, minerals, rocks, soil, earth resources, weathering, groundwater, glaciers, deserts, oceanography, meteorology, and an overview of our solar system.

132351 Advanced Environmental Science 1.00 Credit
Two Semesters
Grade 11 or 12

This course deals with the organization of life, understanding populations, the use and misuse of earth's natural resources, mineral and energy resources and current environmental topics effecting the future of our world.

133998 Anatomy and Physiology 1.00 Credit
Two Semesters
Grade 11 or 12
Prerequisite: Biology I

A course for interested or college bound students. Students will acquire an understanding of anatomical terminology as it relates to the human body, look at the chemical and organizational basis of life, and study the structure and function of the eleven systems of the human body.

139998 Botany

1.00 Credit
Two Semesters
Grade 11 or 12
Prerequisite: Biology I

This course offers an introduction to plant biology which is beneficial to students in the agriculture related programs and/or college bound. The class deals with the understanding, classification, and identification of plants using dichotomous keys, study of plant structural components and their functions, growth and response, propagation, and the affect on plants of soil, nutrients, pests, and other environmental factors.

SOCIAL STUDIES DEPARTMENT

Course Listing

COURSE NUMBER	COURSE TITLE	CREDIT	NUMBER OF SEMESTERS	PREREQUISITE
150300	Government	1.000	2	-
150700	Geography	1.000	2	-
150810	American History	1.000	2	-
152100	Current Events	1.000	2	-
152102	Intervention Social Studies I-IV	1.000	2	-

Course Descriptions

150300 Government

1.00 Credit
Two Semesters
Grade 11 or 12

This government course consists of a mix of history, government, and economics. First, students will be introduced to what government is and the various types there are. After that introduction, students will focus on the United States Government. Further, students will investigate key ideas like the Constitution, Three Branches of Government, State and Local Governments, Elections, Political Parties, Paying for Government, and Foreign Policy. From this course, students will gain a better understanding of what government is, how it works, how it affects their lives, and how to participate in it.

150700 Geography

1.00 Credit
Two Semesters
Grade 10, 11, or 12

Geography is the study of everything on planet Earth. Not only does the course focus on all of Earth's places, people, and processes, it also touches on the Earth's role in the solar system. Further, this course will examine everything from continents and oceans to world languages and religion. All of the continents, and the countries within them, will be examined closely. Additionally, this class will cultivate basic map skills. The class will feature the resources such as, text books, atlases, various maps, and the internet. Class work will be given often and independent research will also occasionally be required.

150810 American History

1.00 Credit
Two Semesters
Grade 10, 11, or 12

This course is expansive covering the Spanish-American War to the present era. Students are required to follow the benchmarks of the OGT in History, People in Societies and Economics.

152100 Current Events

1.00 Credit
Two Semesters
Grade 10, 11, or 12

This class is designed to explore the occurrences and events in the world around us. It offers a chance for students to see, hear, and discuss up to date news from local, state, national, and international sources. The students will routinely listen to TV broadcasts, read articles, research a variety of web based information, and use newspapers to gather information about crucial events taking place around them. Students will be expected to develop critical communication skills in the areas of reading and writing through this study of current events. They will also be expected to willingly participate in class discussions pertaining to such events. There is no textbook and no required purchasing of out of class materials. The course attempts to place current events within a historical perspective and to enhance each student's ability to better understand critical current issues and gage future implications from a study of these events.

152102 Intervention Social Studies I-IV

1.00 Credit
Two Semesters
Grade 11 or 12
Prerequisite: Must have an IEP

Intervention Social Studies courses are designed to meet the requirements for Geography, American History, Government, and Current Events. Modifications for the population are made so that students may develop an understanding of the content of the subject matter that closely follows the course descriptions given for each of these courses offered at BCC.

