

## Requirements for Graduation-- Tonopah High School

### Standard Diploma

4 English  
3 Math  
2 Science  
3 Social Studies  
2 PE  
½ Health  
½ Computer Lit  
1 Humanities  
6 ½ Electives

### 21<sup>st</sup> Century

4 English  
4 Math  
3 Science  
3 Social Studies  
2 PE  
½ Health  
½ Computer Lit  
1 Humanities  
4 ½ Electives

### Advanced Diploma

4 English  
4 Math  
3 Science  
3 Social Studies  
2 PE  
½ Health  
½ Computer Lit  
1 Humanities  
6 Electives

All diplomas also require that students must pass all areas of the High School Proficiency Examination. These examinations include Math, Science, Reading, and Writing.

### Registering for classes

Freshman and Sophomores must sign up for 7 classes per semester.  
Juniors must register for 6 classes per semester unless they are credit deficient.  
Seniors must register for 5 classes per semester unless they are credit deficient.

## LANGUAGE ARTS

**English 9:** One year course. Students build vocabulary and grammar skills while learning to read, analyze, and interpret various forms of written material for comprehension and information. Writing instruction emphasizes the various forms of textual material. Essays include informative, persuasive, description, and narrative styles. A research paper is included in the course work.

**English 10:** One year course. This is the traditional required 10<sup>th</sup> grade English course. A review of capitalization and punctuation skills are presented in this class. Writing skills, including letters, resumes, paragraphs, narratives, and essays is emphasized though a cross section of literature (short stories, poems, plays). Spelling and dictionary usage is included in the program. Speech is a part of the curriculum at this level

**English 11:** One year course. Review of basic grammar skills, capitalization and punctuation rules, composition, and oral communication skills are presented in this class. Particular emphasis will be placed upon using oral and written English in real life or every day situations. Students will read, interpret, and discuss from American authors. Speech is included within this level

**English 12:** One year course. Primary emphasis of this class is the teaching and review of composition skills. Students in this class may anticipate much writing and rewriting. Students will also have the opportunity to read English literature, including Shakespeare. Speech is included within this level.

**Honors English 9/10:** One year course for the student who has evidenced a high degree of aptitude for a more challenging course of study. These courses include the content of the regular curriculum with a heavy emphasis place on more extensive vocabulary development, literature studies of a higher difficulty level, and more extensive writing requirements.

**Honors English 11/12:** One Year course that is a college preparatory course. Students may expect an emphasis on research and writing skills. Study of American and English Literature will be alternated yearly.

**Newspaper:** One Year course. Students will learn basic journalistic style, interviewing, techniques, page layout and budgeting of space, photojournalism, advertising principals and sales. They will apply these skills in the publication of a school newspaper.

## **Reading**

One year course. This course is designed to help struggling readers with daily literacy instruction in phonics and decoding skills, word recognition, reading fluency, vocabulary development, comprehension, and spelling.

## **MATHEMATICS**

**Math Applications (Elective):** One year course: This course serves as a survey course of math skills and a refresher for students who are in danger of not passing the High School Proficiency Exam. This is a required course for seniors who have not passed the Proficiency Exam by the start of their senior year. Once a student starts a semester in Proficiency Math, they may not withdraw at any time. Prerequisite: Must be failing HSPE in Math at the end of their Junior year.

**Pre Algebra:** One year course. This course is the introductory course for those students planning to take Algebra, but needing first to master the basic math skills and concepts required to succeed in Algebra I. Prerequisite: D, or F in 8<sup>th</sup> Grade Math and not passing the basic skills test in Math.

**Algebra I:** One year course. An introduction to elementary algebra. Topics addressed include sets, variables, functions, and relations graphing, factorization of polynomials, simple systems of linear equations, inequalities, rational exponents, and simple quadratic equations. Prerequisite: A, B, or C in 8<sup>th</sup> Math, passing the basic skills math test, or Pre Algebra

**Algebra II:** One year course. Study of higher level equations, inequalities, rational and irrational numbers, complex numbers, logic, word problems, Pythagorean theorem, and other formulas. Study linear and nonlinear equations and inequalities as well as systems of linear equations and inequalities. Prerequisite: A or B in Algebra I

**Geometry:** One year course. This course is the study of sets of points. Angles formed by parallel lines intersected by a transversal, congruence of figures, similarity of figures and right triangle trigonometry will be covered. Emphasis will be given to proofs and their logic. Prerequisite: A, B, or C in Algebra I

**Pre-Calculus (Honors):** One year course. This course is the study of triangles, angles and the six trig ratios and their relationships to angles, their graphs, identities, inverse relationships, applications to techniques for solving unknown lengths and angles, as well as trigonometric functions. Prerequisite: A or B in Geometry and Algebra I

**Calculus (Honors):** One year course. . This course is the advanced study of functions, and their graphs. Both differential and integral calculus will be studied with emphasis on the applications of the derivative. Prerequisite: A or B in Calculus

## **SCIENCE**

**Principles of Science:** One year course. This is a basic survey course in science principals and skills. Also included in this class are intense math skills. It is intended for the student who is not well prepared for the initial high school courses in physical and life sciences. It is intended primarily as a course for freshman.

**Earth Science:** One year course. A study of the earth and of astronomy, the foundations of science, rocks, and minerals, the changing surface of the earth, the earth's air and water supplies, and plate tectonics. The history of the earth and earth's relationship to space are explored. This course is designed to enlighten the student about the place we live; planet earth. There will be laboratory experiments during the course of study.

**Biology:** One year course. Topics addressed may include cellular structure and function, molecular biology, metabolism, photosynthesis, elementary plant biology, genetics, physiological structure and function, evolution, adaption, and reproduction. This class is recommended for college bound students. 9<sup>th</sup> Grade teacher recommendation needed. 10<sup>th</sup> grade recommended.

**Science Applications (Elective):** One year course: This course serves as a survey course of science skills and a refresher for students who are in danger of not passing the High School Proficiency Exam. This is a required course for seniors who have not passed the Proficiency Exam by the start of their senior year. Once a student starts a semester in Science Applications, they may not withdraw at any time. Prerequisite: Must be failing HSPE in Science at the end of their Junior year. If a student is enrolled in a Science class their senior year, they are exempt from taking this course.

**Anatomy and Physiology:** one year course. An in-depth study of what was learned in Biology. Prerequisite: Prerequisite: Biology and Chemistry

**Chemistry (Honors):** One year course. A survey of basic chemistry. Topics addressed may include the structure of the atom and nuclear energy, chemical periodicity, chemical bonding, acids, bases, salts solutions, chemical kinetics, pressure and temperature in chemical reactions, balancing equations, states of matter, elementary thermodynamics, organic chemistry, and environmental. Recommended for college bound students. Prerequisite: Biology and Geometry

**Physics (Honors):** One year course. A survey of basic physics. Topics addressed may include classical mechanics, Newton's laws, harmonic motion, reference frames, work, and energy. Recommended for college bound students. Prerequisite: Chemistry and Pre Calculus

### SOCIAL STUDIES

**World History:** One year course. A study of world cultures from pre-Christian eras to modern day civilizations. The contributions of the Egyptians, Greeks, Romans. Their influences upon modern civilization's architecture, engineering, and political thought are examined. The class also examines the political features of the North American Continent.

**U.S. History:** One year course. Required of all juniors. A general survey history of the United States from European discovery through the present. Includes attention to colonial America, the American Revolution and the rise of the American political thought; the Federalist and Republican eras; westward expansion; Jacksonian democracy, manifest destiny, slavery, the Civil War, Reconstruction; the Gilded Age; immigration; America as a world power; American Participation in WWI; the 1920's, the Depression, the New Deal, the United States in WWII; domestic issues since 1945. Prerequisite: World History

**U.S. Government:** One year course. Required of all seniors. This course deals with political parties and pressure groups; structure of state, local, and Federal Government. Political problems are examined both nationally and internationally, and the possible solutions are discussed from the viewpoint of a free society.

### FAMILY AND CONSUMER SCIENCE

**Careers... Freshman-Senior.....No Fee....One semester course:**

*(This class needs to go off campus to make the world of work realistic. The van only holds 6 students and a driver. For there to be off campus experiences, it would be helpful to have upper classman and or parent volunteers.)*

Students take various self-awareness assessments to determine their individuality, interests, and skills to guide their life choices, pursuits and goals. People and responsibility skills are developed. Job shadowing off-campus and computers are used to explore career opportunities and educational options. Job hunting techniques are also developed, such as: filling out a job application, writing a resume, and interviewing for a job.

**Leadership...Student Council members and class officer must take this class unless there is a core class conflict. One year course:**

Open to students who serve in leadership positions in school programs. Students will enhance their leadership skills through a variety of learning experiences including: fundraising, special school events such as homecoming, assemblies, and serving the school and community wherever needed.

**Home Economics...Freshman-Senior.....Lab fee....One semester course:**

This course is an excellent prerequisite for all other offerings in the FACS area. Instruction includes selection, care, construction of clothing and food selection and preparation. *(Students may take Home Economics before Textiles and Foods, but they may not take it after having already taken Textiles or Foods.)*

### BUSINESS AND COMPUTER CURRICULUM

**Computer Lit:** One year course: instruction includes what computers can do, how to operate and program a computer, structured thinking and problem solving, a computer language, and social issues relating to computers and their uses. Prerequisite: Typing skills would be a benefit.

### PHYSICAL EDUCATION

**Physical Education 1 and 2:** One year courses (two years required). Appropriate dress required. Instructions in team sports and physical fitness activities. Activities are coeducational. The 2<sup>nd</sup> year requirement may be met through participation in athletics.

**Health:** One semester course. This course provides instruction in nutrition, first aid, dangers of alcohol and other drug abuse, and sex education.

**Weightlifting:** This course provides techniques in lifting weights correctly and how to put a weight training program in action. There will also be opportunities for bigger, stronger, faster training to build endurance, flexibility, and quickness.

### FOREIGN LANGUAGE

**Spanish 1** One year course. This course includes basic vocabulary and pronunciation, basic grammar and constructions, elementary readings and translations, and basic cultural material. Oral communication is emphasized. This course is video conference.

**Spanish 2** One year course. This course is an advanced class of Spanish. Spanish is spoken throughout the class period. This course is video conference.

## ART CLASSES

**Art I:** One year course The goal of this class is to improve one's ability in seeing, drawing, painting, and practicing the elements and principles of art using the techniques in pencil, pen ink, felt pen, water color, pastel, charcoal clay, tempera, and acrylic. Lab fee required.

**Ceramics:** one semester course The student will design and glaze numerous pieces in clay using pinch, coil, and slab techniques. Projects may include: pinch pots, coils cups bowls, tea pots, designer jars, bird houses, and whistles.

## MUSIC

**Choir:** One year course. Students in this class will work with basic singing, skills directed toward the rehearsal and performance of choral music in concerts and the community events. Students are expected to attend all performances both in and out of school.

**Band:** One year course. Students must be well versed in the rudiments of their instruments and music in general to enter this class. In this class, the students will study and bring to performance level works from the standard concert band repertoire. Performance is the very nature of this class. Jazz Band is part of this class. The group will prepare and perform representative Jazz and "Big Band" literature. Members should expect to perform with the Jazz Band as well as pep band and marching band.

## CAREERS

**Office Aide Library Aide, Teacher's Aide:** One Semester class: The program is a form of career exploration. Students will learn basic skills for the position and will function as a paraprofessional, assisting the staff members to whom they are assigned. An expectation of a student is to tutor fellow students that may have difficulty completing assignments. A student may be an aide for one period per semester. There will only be one aide assigned to a teacher per class period. Prerequisite: Must be a Junior or Senior in good standing.

**School to Work:** One year course (up to 2 semesters allowed). Upon approval of early release, students may work for an outside employer, receiving training in job-specific and job retention skills. They will develop work values, strengthen their work ethic, and broaden awareness of the world of work. Learning is documented by employer-graded evaluations. Site visits by the school counselor, student journals and a final paper. Students must be able to stay on track for graduation with early release. Prerequisite: Must be a Senior

## On-Line Classes

**Odyssey On-Line Courses:** These classes are on line and will be used only for students that have not passed classes they have taken previously. When taking these classes, students will take the entire semester of lessons presented. There will be essays that need to be written for other subjects besides English.

## CTE CLASSES 2013-14

### Business Courses

#### Business Software Applications

This course is for entry-level students in Administrative Services. This program prepares students for jobs in an office or business setting in the area of administrative support and office management. This course emphasizes skills in standard industry software. Students will gain proficiency of advanced web functions, word-processing applications, spreadsheet applications, presentation applications and database applications as they are used in a business environment. Student will understand and abide by policies for technology.

#### Office Management I

*Prerequisite: Business Software Applications*

This course is a continuation of the Administrative Services programs. Students will learn occupational skills in accounting such as recording business transactions, posting journal and ledger entries, and preparing financial statements. Students will be introduced to standard accounting software and expand their knowledge of standard office software. Additionally, an introduction to laws related to business practices, organizational structures and interpersonal office skills will be covered. The appropriate use of technology and industry-standard equipment is an integral part of this course.

#### Office Management II

*Prerequisite: Office Management I*

This course is a continuation of the Administrative Services program and prepares students for work in an office or business environment. Students will learn and apply advanced skills in office technology and software commonly used in today's work environment. This course also includes the understanding of employment law and supervision. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.

**Family and Consumer Science**

Child Development I

*Prerequisite: None*

This course provides students with an introduction to the principles of early childhood education. This course addresses child development, care, teaching and learning, so that students can guide the development of young children in an educational setting. Study typically includes planning and implementing developmentally appropriate activities, basic health and safety practices, and legal requirements for teaching young children. The appropriate use of technology and industry-standard equipment is an integral part of this course. Students will research the requirements of early childhood education careers and begin to develop a career portfolio.

Family and Consumer Science

*Prerequisite: Child Development & Fashion Design and Construction I & Foods and Nutrition I*

This course is the capstone course for the Family and Consumer Sciences program of study. This course provides advanced studies in family and consumer sciences topics to prepare students for adult roles and responsibilities. The major focus is on developing skills for balancing home, work, and life by studying how to be successful with life management, wealth management, family development, home management, health and fitness, and leadership and community participation. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.

Foods and Nutrition I

*Prerequisite: None*

This course provides an introduction to the study of foods and nutrition. Emphasis is placed on exploring food choices and meal preparation in relation to nutrition, fitness, lifecycle, customs, and cooking methods.

Foods and Nutrition II

*Prerequisite: Foods and Nutrition I*

This course is a continuation of Foods and Nutrition I. This course provides intermediate students with more advanced activities to develop their skills in food selection and preparation. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.

Fashion Design  
and Construction I

*Prerequisite: None*

This course is designed to provide students with fundamentals of fashion concepts and construction. Areas of emphasis include individual image, consumer decision-making, fabric and pattern selection, construction techniques, the use and care of sewing equipment, clothing repair, and fashion-related occupations.

Fashion Design and Construction II

*Prerequisite: Fashion Design and Construction I*

This course is a continuation of Fashion Design and Construction I. This course allows intermediate fashion and design students to build on fundamental skills developed in Fashion Design and Construction I. This course will provide more in-depth experiences with textiles, clothing, and fashion. Areas of study include wardrobe planning and purchasing, handling and care of textiles, and advanced construction techniques. The appropriate use of technology and industry-standard equipment is an integral part of this course.

Fashion Design and Construction III

*Prerequisite: Fashion Design and Construction II*

This course is a continuation of Fashion Design and Construction II. This course allows advanced fashion and design students to develop their knowledge and skills attained in Fashion Design and Construction I and II. This course will cover psychological and social aspects of clothing, advanced construction techniques including tailoring, use of specialty fabrics, and creative applications. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.

Art

Graphic Design I

*Prerequisite: None*

This course is designed to introduce students to the fundamental skills and knowledge needed to create graphic works using industry-standard hardware and software for a variety of purposes and outputs. Areas of study include the understanding of the industry history, terminology, color, design principles, typography and ethical and legal issues related to graphic designs. Emphasis is placed on layout design and the creation and manipulation of graphics

Graphic Design II

*Prerequisite: Graphic Design I*

This course is a continuation of Graphic Design I. This course provides advanced graphic design students with instruction in advanced techniques and processes. Students will work on projects simulating challenges found in the design industry such as corporate identity, publishing, advertising, and web applications. Students will develop their skills utilizing industry-standard software and equipment. Portfolio development will be emphasized. The appropriate use of technology and industry-standard equipment is an integral part of this course.

Graphic Design III

*Prerequisite: Graphic Design II*

This course is a continuation of Graphic Design I. This course provides advanced graphic design students with instruction in advanced techniques and processes. Students will work on projects simulating challenges found in the design industry such as corporate identity, publishing, advertising, web applications, and package design. Portfolio development will be emphasized. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.

Photography I

*Prerequisite: None*

This course is designed to introduce students to the fundamentals of commercial photography in relation to seeing photographically, operating cameras, use of light, image capture, and processing digital images. Students will also learn the history of photography, legal and ethical issues related to the industry. Career exploration is also a part of this course .

Photography II

*Prerequisite: Photography I*

This course is a continuation of Photography I. This course provides intermediate photography students with instruction in advanced digital techniques and processes. Areas of study include operating cameras, use of light, image capture, and processing digital images. Students will also learn the history of photography, legal and ethical issues related to the industry. The appropriate use of technology and industry-standard equipment is an integral part of this course

Photography III

*Prerequisite: Photography II*

This course is a continuation of Photography II. This course provides advanced photography students with instruction in advanced digital techniques and processes in commercial photography. Manipulation of images using industry-standard software is also included. Students will be required to exhibit their projects. Students will be prepared for industry certifications. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.

Tonopah High School  
Freshman Registration  
2013-2014

**Directions:** Please choose seven classes each semester. In addition, choose two alternative classes if there are conflicts in your schedule. Please consider what career you may be interested in when you go into post secondary education. Also, be aware of how many required and elective classes you must pass to graduate from high school. Please follow the graduation guidelines that are given in the pre registration packet. The high school class schedule will be developed after pre registration is completed. Your class schedule will be completed when registration materials are given to parents and students prior to the beginning of the school year.

First Semester    Second Semester

9<sup>th</sup> English \_\_\_\_\_                      9<sup>th</sup> English \_\_\_\_\_

Math \_\_\_\_\_                      Math \_\_\_\_\_

Science \_\_\_\_\_                      Science \_\_\_\_\_

Physical Education \_\_\_\_\_                      Physical Education \_\_\_\_\_

Computer Lit /Health      Computer Lit/Health

\_\_\_\_\_  
\_\_\_\_\_

Alternative classes: \_\_\_\_\_

Parent \_\_\_\_\_ Student \_\_\_\_\_

## Tonopah High School Sophomore Registration 2013-2014

**Directions:** Please choose seven classes each semester. In addition, choose two alternative classes if there are conflicts in your schedule. Please consider what career you may be interested in when you go into post secondary education. Please follow the graduation guidelines that are given in the pre registration packet. In addition, a graduation progress sheet has been provided to show what classes you have taken and what classes that have been passed and failed. The high school class schedule will be developed after pre registration is completed. Your class schedule will be completed when registration materials are given to parents and students prior to the beginning of the school year.

First Semester    Second Semester

10<sup>th</sup> English                      10<sup>th</sup> English

Math                                  Math

Science      Science

World History                      World History

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Alternative classes: \_\_\_\_\_

Parent \_\_\_\_\_ Student \_\_\_\_\_

## Tonopah High School Junior Registration 2013-2014

**Directions:** Please choose six classes each semester. In addition, choose two alternative classes if there are conflicts in your schedule. Please consider what career you may be interested in when you go into post secondary education. Please follow the graduation guidelines that are given in the pre registration packet. In addition, a graduation progress sheet has been provided to show what classes you have taken and what classes that have been passed and failed. The high school class schedule will be developed after pre registration is completed. Your class schedule will be completed when registration materials are given to parents and students prior to the beginning of the school year.

First Semester    Second Semester

11<sup>th</sup> English                      11<sup>th</sup> English

Math                                  Math

\_\_\_\_\_  
\_\_\_\_\_

US History                      US History

\_\_\_\_\_  
\_\_\_\_\_

Alternative classes: \_\_\_\_\_

Parent \_\_\_\_\_ Student \_\_\_\_\_

## Tonopah High School Senior Registration 2013-2014

**Directions:** Please choose five classes each semester. In addition, choose two alternative classes if there are conflicts in your schedule. Please consider what career you may be interested in when you go into post secondary education. Please follow the graduation guidelines that are given in the pre registration packet. In addition, a graduation progress sheet has been provided to show what classes you have taken and what classes that have been passed and failed. The high school class schedule will be developed after pre registration is completed. Your class schedule will be completed when registration materials are given to parents and students prior to the beginning of the school year. **SENIORS THAT HAVE NOT PASSED THE MATH PROFICIENCY EXAM MUST TAKE MATH APPLICATIONS.** If you have passed the Senior Math Proficiency Exam the first semester, you may choose not to take Math Proficiency Class the second semester. Students must also register for Science Applications if they failed the science proficiency. If students are signed up for a science class their senior year they and have failed the science proficiency, they are not required to take Science Applications.

First Semester    Second Semester

12 <sup>th</sup> English _____	12 <sup>th</sup> English _____
US Government _____	US Government _____
_____	_____
_____	_____
_____	_____

Alternative classes: \_\_\_\_\_

Parent \_\_\_\_\_ Student \_\_\_\_\_

## Millennium Scholarship Information

### GRADUATING CLASSES OF 2009 & LATER\*\*

In addition to the "Graduating Classes" requirements, a student who graduates with the class of 2009 or later must have completed the core curriculum as defined in the NSHE Governor Guinn Millennium Scholarship Policies and Procedure of the Board of Regents:

#### Section 13. Core Curriculum

The Board recognizes the importance of a rigorous high school curriculum in adequately preparing students to succeed in college-level courses. Therefore, a student who graduates from a Nevada high school in Spring 2009 and thereafter must successfully complete the following curriculum in high school to be eligible for the Millennium Scholarship:

#### High School Courses Units

English 4  
Math (including Algebra II) 4  
Natural Science 3  
Social Science and History 3

TOTAL 14

#### WHAT ARE THE ENROLLMENT REQUIREMENTS OF THE SCHOLARSHIP?

To receive the benefits of the Millennium Scholarship Program, *you must enroll in an eligible institution of higher education in Nevada.*

**It is important to remember that receiving a Millennium Scholarship does not guarantee your admission to all institutions, nor does it guarantee admission to all programs at the eligible institutions of higher education.**

You should contact the institutions of your choice and familiarize yourself with their admissions procedures and requirements. It is recommended that students speak to their high school counselors regarding an advanced high school diploma if they plan to attend UNLV or UNR.

After your admission to an eligible institution, there are two requirements of enrollment you must meet to receive the benefits of the scholarship you must:



1. Enroll each semester in a minimum of 6 credits at a NSHE community college or 12 credits at another eligible institution;
2. You must enroll in a program of study leading to a recognized associate degree, baccalaureate degree, or pre-baccalaureate certificate.