

Delta Charter
High School



Course Catalog

2008-2009

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CAREERS / COMMUNITY SERVICE

The Careers program is designed to prepare students for life beyond high school, and is required of all students each year of enrollment at DCHS. Students will consider, explore, and research various opportunities available to them after graduation: career, college or technical school, or military service. Successful completion of the Senior Project is a graduation requirement.

Community Service: In each year of enrollment, a student must provide certification of 15 hours of community service. The community service activities must be approved by the Educational Coordinator.

Careers 9

Credits:
Level: 9th grade
Prerequisites: None

The curriculum focuses on the question: “Who am I?” Through guided self-exploration and group activities, students will gain a greater understanding of their personal goals and strengths, develop personal plans to accomplish their goals, and establish strategies to utilize their strengths in their academic endeavors.

Careers 10

Credits:
Level: 10th grade
Prerequisites: None

The curriculum focuses on the question: “What do I want?” Students consider their individual interests, skills, and abilities in relation to their life goals. Through guided reflection and research, students explore the various opportunities available to them for post-secondary education, vocational training, and career choice.

Careers 11

Credits:
Level: 11th grade
Prerequisites: None

The curriculum focuses on the question: “How can I succeed?” Students continue to examine their life goals with particular focus on the acquisition and practice of job skills: eg. employment research, applications, resumes, letters of recommendations. Students also begin the college search process with an introduction to available technological tools, the college application process, standardized testing (PSAT, SAT, ACT), and financial aid resources.

Careers 12

Credits:
Level: 12th grade
Prerequisites: None

The curriculum focuses on the question: “Where am I going?” Students prepare for employment opportunities with mock interviews and preparation of a personal portfolio. Students receive further assistance in the college application process.

ENGLISH

ENGLISH 1-P

Credits: 10
Level: 9th grade
Prerequisites: None

The curriculum includes a blend of classical and contemporary literature with a study of the correct use of grammar, instruction for an expanded vocabulary, practice in effective speaking, discussion, and writing techniques, and critical thinking skills. Students are presented with an extensive reading list, and outside reading becomes an important part of in-class learning.

ENGLISH 2-P

Credits: 10
Level: 10th grade
Prerequisites: Completion of English 1

The sophomore year continues to expand critical thinking skills with emphasis on reading comprehension, literary analysis, and vocabulary acquisition, as well as the study of grammar and practice in effective oral communication skills. Of particular importance is the process of writing, which culminates in the composition of the thesis statement essay.

ENGLISH 3-P

Credits: 10
Level: 11th grade
Prerequisites: Completion of English 2

In this course, students read from the works of both established American writers and newer American writers in order to learn about the American experience. Through close reading, analysis, discussions, and extensive writing, students learn the unique contributions of these poets and storytellers. Students will continue to practice effective oral and written communication skills.

ENGLISH 4-P

Credits: 10
Level: 12th grade
Prerequisites: Completion of English 3

The purpose of this course is to prepare the student for reading and composition at the college level. Course work will include reading world literature (plays, novels, and poetry) and writing the college application essay. Preparation will be given for college placement tests in composition. Students will continue to practice effective oral communication skills.

ENGLISH

CAHSEE English

Credits: 5

Level: 9th - 12th grades

This course is designed to help those students who either have not taken or have not passed the California High School Exit Examination for English/Language Arts. Students will review reading comprehension and basic writing skills.

Creative Writing

Credits: 5

Level: 12th grade

This course explores the creative aspects of writing, both in poetry and short stories. Students will read varied examples of creative writing, examine creative vocabulary and styles, and produce individual compositions.

English Literacy

Credits: 5

Level: 9th - 12th grades

This course is designed to help students increase their reading comprehension and basic writing skills.

Health, Physical Education, & Recreation

BASEBALL

Credits: 5

Level: 9th - 12th grades

Prerequisites: None; may be repeated for credit.

This course provides students the opportunity to learn and develop basic skills in baseball. Participation will be through membership on the Delta Charter Baseball Team as determined by coaching staff.

HEALTH

Credits: 5

Level: 9th - 12th grades

Prerequisites: None

The emphasis in Health will be on topics that confront students and require decisionmaking in their everyday lives. The topics will include stress management, self-esteem, nutrition, eating disorders, human sexuality (reproduction, abstinence, teen pregnancy, HIV-infection/AIDs and sexually transmitted diseases) and the abuse of and alternatives to drugs, alcohol and tobacco.

LIFETIME PHYSICAL ACTIVITIES:

Independent Study

Credits: 5

Level: 9th - 12th grades

Prerequisites: None; may be repeated for credit.

The emphasis for this class is to allow students to explore physical activities that they plan to pursue for recreation after graduation. Students will have the opportunity to participate in activities of their choice.

LANGUAGE OTHER THAN ENGLISH

FRENCH 1-P [pending]

Credits: 10
Level: 9th - 12th grades
Prerequisites: None

Level 1 introduces the beginning student to the basic vocabulary, conversational idioms, grammatical structures, and phonetic characteristics of the language, as well as to the culture of France.

FRENCH 2-P [pending]

Credits: 10
Level: 9th - 12th grades
Prerequisites: None

Level 1 introduces the beginning student to the basic vocabulary, conversational idioms, grammatical structures, and phonetic characteristics of the language, as well as to the culture of France.

JAPANESE 1-P [pending]

Credits: 10
Level: 9th - 12th grades
Prerequisites: None

Level 1 introduces the beginning student to the basic vocabulary, conversational idioms, grammatical structures, and phonetic characteristics of the language, as well as to the culture of Japan.

SPANISH 1-P

Credits: 10
Level: 9th - 12th grades
Prerequisites: None

Level 1 introduces the beginning student to the basic vocabulary, conversational idioms, grammatical structures, and phonetic characteristics of the language. Level 1 will also give the student a general introduction to Hispanic culture.

SPANISH 2-P [pending]

Credits: 10
Level: 9th - 12th grades
Prerequisites: Successful completion of level 1.

Students will continue to develop the basic linguistic skills acquired in the first year. The development of oral and listening proficiency will be further pursued, placing additional emphasis on reading and writing skills. Students will be encouraged to engage in more direct use of the language as a means of communication. The study of Hispanic cultures will be expanded.

SPANISH 3-P [pending]

Credits: 10
Level: 9th - 12th grades
Prerequisites: Successful completion of level 1.

Students will continue to develop the basic linguistic skills acquired in the second year. The development of oral and listening proficiency will be further pursued, placing increased emphasis on reading and writing skills. Students will be required to engage in more direct use of the language as a means of communication. The study of Hispanic literature will be introduced.

MATHEMATICS

ALGEBRA 1-P

Credits: 10

Level: 9th grade

This course covers the traditional topics of Algebra 1: symbols and sets, variables, linear equations, the algebraic properties, inequalities, polynomials, fractional equations, systems, graphing, quadratic equations, and irrational numbers. Emphasis is placed on comprehension and application of concepts through word problems.

ALGEBRA 2-P

Credits: 10

Level: 10th - 12th grades

Prerequisites: Completion of Algebra 1 and Geometry

This course begins with a study of equations and inequalities; linear relations and functions; using matrices and polynomials, rational and quadratic functions. Included will be a study of conic sections, exponential and logarithmic functions, a brief introduction to sequences and series, and an introduction to Trigonometry.

GEOMETRY-P

Credits: 10

Level: 9th - 12th grades

Prerequisites: Completion of Algebra 1

This course explores relations involving angles, parallel and perpendicular lines, planes, circles and polygons. The basics of logic are introduced and the deductive proof-writing process is developed. Solving skills that the student learned in Algebra 1 will be used throughout the course.

PRECALCULUS-P

Credits: 10

Level: 9th - 12th grades

Prerequisites: Completion of Algebra 2

This course begins with a study of linear relations and functions, solving systems of equations and inequalities, Sequence and Series and an in depth study of trigonometry. In addition, there is a study of polynomial and rational functions and advanced graphing techniques followed by the four conic sections, exponential and rational functions and logarithmic functions and concludes with some work with probability and combinations.

CAHSEE MATH

Credits: 10

Level: 9th - 12th grades

This course is designed to help those students who either have not taken or have not passed the California High School Exit Examination for Mathematics. Students will review the six strands of CAHSEE math topics, and practice test-taking strategies. ALEKS, State-provided study guides, and individual written work will be used.

CONSUMER MATH

Credits: 10

Level: 11th - 12th grades

This course is designed to introduce and expand practical math skills essential for everyday living.

[The letter "P" indicates that the University of California has certified a course as meeting "A-G" requirements.]

SCIENCE

BIOLOGY-P

Credits: 10
Level: 10th grade
Prerequisites: None

Biology is the study of life. This course covers a broad spectrum of topics including the structure and function of cells, biochemistry, genetics, evolution, human anatomy and physiology, the interrelationships between all living things, and current events in life science.

Environmental Science – P [pending]

Credits: 10
Level: 9th grade

This course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or presenting them.

Robotics

Credits: 5
Level: 9th - 12th grades
Prerequisites: None

Robotics explores the interaction of science and technology in order to interest students in the field of robotics and motivate them to pursue advanced education in science and engineering. Students will apply the scientific method and build on physics and mathematics concepts by investigative research that requires inquiry, data collection, and analysis. Included is instruction in the history and theory of robotic technology, computer control systems, and artificial intelligence. Computer programming is emphasized. Using the engineering design team concept as a model, students work in small groups to research, design, program, and construct robotic devices used in competition. Integrated throughout the course are career preparation standards which include basic academic skills, communication, interpersonal skills, problem solving, workplace safety, technology and employment literacy.

SOCIAL STUDIES

American Government-P [pending]

Credits: 5
Level: 12th grade
Prerequisites: None

This course explores the contextual and philosophical history that formed and continues to form the U.S. Constitution, explains the functions of the three branches of the federal government, investigates the great issues that concern all Americans, and presents the privileges and duties of citizens. Emphasis will be placed on the relationship of the American citizen to her/his government, her/his role in partisan politics, and how to keep informed on national and international issues.

American Justice: The Law-P [pending]

Credits: 5
Level: 9th - 12th grades
Prerequisites: None

This course offers practical information and advice designed to provide students with the ability to analyze, evaluate, and in some situations resolve legal disputes as applied to the following areas: introduction to law and the legal system, criminal law and procedure, civil tort law and procedure, and constitutional law. Significant Supreme Court cases will also be explored.

Contemporary Cultures-P

Credits: 5
Level: 9th - 12th grades
Prerequisites: None

This course is designed to introduce and immerse students to the diverse cultural influences and expressions which comprise the modern world, focusing on those cultures and civilizations which are reflected in the development of the United States as a multicultural society. By studying contemporary cultures in relation to their historical development, students will appreciate the complexity of human society and the necessity of international understanding and communication in the 21st century.

Economics-P [pending]

Credits: 5
Level: 12th grade
Prerequisites: None

This course is designed to introduce students to the vocabulary, concepts, and challenges of the United States economy. Emphasis is placed on the relationship between government and the private sector in developing and managing the economy in a complex world.

SOCIAL STUDIES

Geography-P [pending]

Credits: 5
Level: 9th - 12th grades
Prerequisites: None

This course is designed to develop an

understanding of the character of various regions as influenced by environmental, historical, and cultural forces. Emphasis is given to thinking geographically in the study of man/land relationships and place formation. Themes will include: physical geography and the environment;

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development issues; human rights; cultural groups/values; population; urbanization

The History of Mexico-P

Credits: 5

Level: 9th - 12th grades

Prerequisites: None

This course comprises an interdisciplinary approach to the study of Mexico. Through a comprehensive study of the art, architecture, economics, literature, music, and politics of Mexico, students will gain a broad understanding of the forces which combine to create a national identity. Students especially will appreciate the complexities of a national consciousness when balanced with regional identities.

U.S. History-P

Credits: 10

Level: 11th grade

Prerequisites: None

US History begins with a survey of early North American societies and the eventual integration of European and African cultures into a distinctly American milieu. The

course focuses on the political, economic, social and cultural evolution of the United States as realized through major turning points in American history in the 20th century: the emergence and impact of new technology and a corporate economy, changes in the ethnic composition of American society, the movement toward equal rights for all citizens, and the developing position of the United States as a major world power. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state in determining the political principles challenged by major social

concerns and economic problems.

World History-P

Credits: 10

Level: 10th grade

Prerequisites: None

This course acquaints the student with the development of various civilizations from the Reformation through the present. This includes the development of Western Civilization as well as the development of non-European civilizations. Emphasis is placed on the dignity of people and the basic institutions that influence human living such as religions, governments, and economics.

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VISUAL & PERFORMING ARTS

Performing Arts: Drama,; Visual Arts: Art 1, Film Appreciation, Video Production

Art 1-P [pending]

Credits: 10

Level: 9th - 12th grades

Prerequisites:

This course provides the student with the necessary knowledge, skills and evaluative criteria to develop authentic artistic expression in a variety+ of arts media. Students will create, analyze, and reflect on personal art works. In addition, students will explore the political, social, economic, and ethical dimensions of artistic expression.

Drama – P

Credits: 10

Level: 9th - 12th grades

Prerequisites:

This course is designed to develop the students' acting skills and appreciation for theatre. Students will examine, develop, and demonstrate the skills and techniques of the actor. Students will acquire a playing knowledge of practical stagecraft and theatrical production. In addition, students will explore the political, social, economic, and ethical dimensions of the theatre.

Film Appreciation-P [pending]

Credits: 5

Level: 9th - 12th grades

Prerequisites:

This course examines the concept of aesthetics in the theatre arts, particularly film. Students will examine, develop, and articulate objective criteria for discerning the representation of human values in film (including cinema and television). In addition, students will explore the political,

social, economic, and ethical dimensions of films.

Video Production – P

Credits: 10

Level: 9th - 12th grades

Prerequisites:

Video Production is an art course for students who wish to further their knowledge of the elements of art and principles of design as they relate to video and film. Students will learn the history of filmmaking and the technological advances that have come about in the art form. Film will be studied as an art form and as a means of communication. Students will study the impact of film and television on society from a social, economic and political viewpoint. Students will learn to critique their own work, that of their peers and master filmmakers throughout film and television history. Students will learn how film, video and television are connected to other art forms, subject areas and careers.

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ELECTIVES

Audio Design

Credits: 5

Level: 9th - 12th grades

Prerequisites:

ASB

Credits: 5

Level: 9th - 12th grades

Prerequisites:

This course presents students with the opportunity to participate directly in student government as leaders and representatives. Students will learn parliamentary procedure, meeting planning, and effective group leadership.

Culinary Arts

Credits: 5

Level: 9th - 12th grades

Prerequisites: None

This course introduces students to the cooking skills, kitchen techniques and aesthetic appreciation necessary for the safe, economical, and efficient preparation of healthy and appealing meals.

Desktop Applications 1

Credits: 5

Level: 9th - 12th grades

Prerequisites: None

This course is designed to introduce the role and use of personal (micro) computers. This course emphasizes the use and relevancy of common software for word processing (MS Word), spreadsheet design (MS Excel) and business presentations (MS PowerPoint). This course examines the personal computing milieu and the applications environment

Desktop Applications 2

Credits: 5

Level: 9th - 12th grades

Prerequisites: Desktop Applications 1

This course is designed to introduce the student to document publishing (Acrobat Reader). This course emphasizes the use and relevancy for document protection when publishing to an intranet or internet. Topics included are the creating and editing of a document within the application and the need to maintain the integrity and security of a document.

Desktop Applications 3

Credits: 5

Level: 9th - 12th grades

Prerequisites: Desktop Applications 2

This course introduces the student to database management (MS Access). This is an introductory level course which emphasizes the use and relevancy of the software, the application development and business use.

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ELECTIVES

Desktop Applications 4

Credits: 5

Level: 9th - 12th grades

Prerequisites: Desktop Applications 3

This course is an advance version of courses 0167, NH67 and NH68. This course builds upon the basic knowledge developed and goes into advanced tools of each program. Topics include merging different documents, advanced formulas, and design of custom database reporting and menu design.

Leadership

Credits: 10

Level: 9th - 12th grades

Prerequisites: None

This course prepares students for leadership and service to the greater community by empowering them to be organize, direct and evaluate school activities. Included in the course are guided instruction in personality appraisal and values clarification.

Rhetoric & Argumentation-P

Credits: 10

Level: 9th - 12th grades

Prerequisites: None

This course is designed to provide students with the communication skills necessary for educational empowerment, personal growth, and professional success. Intensive, focused and directed study of rhetorical concepts and communication theories are combined with rigorous analysis of contemporary political, economic and social discourse in the formation of persuasive arguments (both oral and written). Participation in

Competitive Speech/Debate activities is required.

Web Design I

Credits: 5

Prerequisites: None

This course is designed to introduce the basic elements needed to design, create and maintain a web site. The primary emphasis will be use of the HTML language to create home pages. Other topics include Internet protocols, use of different browsers, design and maintenance of a website using Web software tools.

Work Experience 1

Credits: varies

Level: 11th - 12th grades

Prerequisites: *No academic prerequisites*
– *must have work permit and be employed*

This is a year-long course that teaches students the rights and responsibilities of being an employee, the rights and responsibilities of their employer and the legal responsibilities of both. The student must have a current work permit and be gainfully employed. By participating in this class, the student is allowed to work longer hours than otherwise allowed by just having a work permit. It is important to note that this is a state monitored program and the student is required to turn in work documentation, site visits and evaluations will be required. Credits for this class are dependent upon hours worked.

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ELECTIVES

Work Experience 2

Credits: varies

Level: 11th – 12th grades

Prerequisites: *Work Experience 1 – must have work permit and be employed*

This is a continuation of the CR71 course. Focus in this class is not just rights and responsibilities of the employer and employee but other legislative and legal issues and future career goals and expectations. By participating in this class, the student is allowed to work longer hours than otherwise allowed by just having a work permit. It is important to note that this is a state-monitored program and the student is required to submit work documentation; site visits and evaluations will be required. Credits for this class are dependent upon hours worked and may not exceed a combined 20 credits for the past two years.

Yearbook

Credits: 5

Level: 9th - 12th grades

Prerequisites: none

This course offers concepts, skills and techniques in journalism management, including team building, planning, communication, deadline management, motivation, delegation, evaluation, and ethics. Areas explored include historical perspectives, preparation for publication, and application of journalistic skills in written, photographic, and broadcast media.

ON-LINE COURSES

ALEKS

- Algebra 1
- Algebra 2
- Geometry
- Pre-Calculus

Element K [computer applications]

Office productivity training software provides students with instruction in the work-place skills necessary to operate various computer applications, including Word and Excel.

MadCap Logic [art program]

Interactive software provides students with a fundamental introduction to the principles and techniques of creative self-expression through visual media.

NovaNet: English

- English I A & B
- English II A & B
- English III A & B
- English IV A & B

NovaNet: Health

- Health

NovaNet: Math

- Consumer Math - First Semester
- Consumer Math - Second Semester

NovaNet: Science

- Biology A
- Biology B
- Earth Science
- Environmental Science

NovaNet: Social Studies

- Economics
- Geography
- US Government
- US History A
- US History B
- World History A
- World History B

OdysseyWare: Language Arts

Instructional materials focus on the sequential development and integration of fluent communication skills covering reading, writing, listening and speaking for students in grades 9 to 12. Skill topics are isolated unit by unit. Reading programs include materials on vocabulary, comprehension skills and literature studies. Writing programs focus on spelling, grammar and composition. Multimedia resources feature 2D, 3D, slide shows and video presentations that support online curriculum to assist students to easily understand abstract concepts.

OdysseyWare: Science

Comprehensive online materials focus on the development of observational skills in context with studying the physical universe. Course materials integrate life science, earth and space science, physical sciences and the nature of science for students in grades 9 to 12. Multimedia support includes Flash and video presentations highlighting lab experiments and demonstrations.

ON-LINE COURSES

OdysseyWare: Social Studies

Comprehensive Social Studies and History curriculum designed for students in grades 9 to 12. The online program enables students to place themselves within the context of overall humanity to best understand the impact that geography and natural resources had on the development of civilizations. Multimedia resources support the online curriculum to assist students to easily understand abstract concepts. The use of primary sources in history enables students to view historical events in context. Additionally, personal sources include diaries, letters and memoirs to illustrate how historical events impacted people in time.

PowerSpeak: French

- French 1: A multi-media, game-based approach provides a solid foundation for reading, speaking, writing, and understanding French. Students will gain an understanding of French speaking cultures including economy, traditions, history and political structure.
- French 2: Students will increase reading and listening comprehension, and vocabulary usage as they learn sentence patterns, advanced phrases, identify objects from descriptions, translate to and from French, create stories, and understand directions.

PowerSpeak: Spanish

- Spanish 1: This course features cutting-edge adaptive learning technology which provides a solid foundation for reading, speaking, writing, and understanding Spanish.
- Spanish 2: This course concentrates on students' ability to articulate more and more complex thoughts and to understand authentic native language from a variety of sources.
- Spanish 3: This course teaches advanced grammar and vocabulary and emphasizes correct accents and comprehension of "real world" native speech. A unique error recognition technology helps students to eliminate common mistakes from their speaking and writing.