

CLOVIS HIGH SCHOOL
Pathways

CHILD DEVELOPMENT		
Year in School	Pathway Course	Description
10	Exploration of Child and Adolescent Literature (HP)	Exploration of Child and Adolescent Literature is a grade 10 English Language Arts college preparatory course integrated with the Education Pathway standards. This course allows students to utilize Language Arts skills to investigate and evaluate the value and purpose of world literature for children and adolescents. Students synthesize knowledge of the developmental stages of physical, intellectual, social, and emotional development with an understanding of appropriate teaching materials and readings for each of the stages. Prerequisite: A 2.50 grade point average or higher.
11-12	* ROP Careers in Child Development Dual Enrollment (Child Dev 1 Clovis Community College)	Studies include the preparation to work in fields dealing with young children and developmental stages of children before birth to age 12. Students gain firsthand experience through classroom and worksite learning, job shadowing, and tours that enable them to determine the benefits of an education-related career. Prerequisite: Excellent attendance and citizenship.
DESIGN, VISUAL, AND MEDIA ARTS		
Year in School	Pathway Course	Description
10	Introduction to Digital Photography (P)	This is an introduction course to digital photography. Topics include digital camera operations, lighting technique, aesthetics, Photoshop, Light-room, and portfolio development. Students will explore exposure systems using aperture, shutter speed, and ISO combinations. Prerequisite: None.
11-12	Digital Photo II	This course has an emphasis in Adobe Photoshop in association with Digital Photography. The focus of this course is in using Photoshop and developing relationships with clients. Prerequisite: Introduction to Digital Photography with a C grade or better.
EDUCATION		
11	Contemporary Issues in Education (HP)	Contemporary Issues in Education is a college preparatory grade 11 English course integrated with the Education Pathway standards of the Education, Child Development, and Family Services sector which allows students to see where the skills of English intersect with the elements of education. Students evaluate instructional methodology and philosophy, and create a portfolio of reflections, activities, and compositions that, when synthesized, serve as the foundation for three capstone projects. Prerequisite: A 2.50 grade point average or higher, <u>AND</u> at least one of the following: Exploration of Child and Adolescent Literature with a “C” grade or higher, member of Educators Rising, participant in summer enrichment activities offered to Education Pathway students, or recommendation by Education Pathway instructor.
11-12	* ROP Careers in Education w/ English 11 or 12 (P) Dual Enrollment (Education 10 Clovis Community College)	Studies include the nature and scope of the school system, the duties and opportunities of the professional teacher, factors relative to success in teaching, and credentialing requirements. Prerequisite: Grade of “C” or better in English 10, and English 11. Excellent attendance and behavior records in previous grade levels required.

RESIDENTIAL and COMMERCIAL CONSTRUCTION

Year in School	Pathway Course	Description
10-12	Basic Metal Manufacturing	Studies include the basic principles of metal welding and forming to finish construction projects. Prerequisite: None.
9-12	Construction Technology 1 – Introduction	This course involves students in projects and problem-based learning experiences that introduce the world of construction. Prerequisite: None
11-12	* ROP Building Trades Internship	This is a senior level specialty course that will ideally have students working in off-campus internships. It begins with Fundamentals of Construction and can progress to placement into specialty building trades areas with local community partners. Each specialty area covers basic skills necessary for entry-level employment. Prerequisites: Reliable transportation (License and vehicle preferred), maturity, and a sincere desire to enter into a construction related career.
11-12	Building Information Modeling (P)	Building Information Modeling is designed as a single period art course for secondary students focusing on the drafting, design and building information modeling aspects of construction. The emphasis is on expressing creativity in a visual form by: (1) reviewing and applying the elements and principles of design and by (2) gaining a deeper insight into inspirations, theoretical elements and principles behind creative design. Additional emphasis will be placed on logical reasoning, visualization, and practical application using 1, 2, and 3-point perspective, color applications, Computer Aided Drafting, and 3-D modeling. Prerequisites: Sophomore, Junior or Senior standing; one year of math.
11-12	* ROP Building Scaled Structures (HP) Dual Enrollment (Construction 50 A (Fresno City College))	This course has been developed to integrate skills and concepts from the Building and Construction trades with applied mathematics and English. As a natural progression, students will apply the craft skills required to design and build a variety of structures that meet current code requirements. In addition, students will make real-world connections between construction, math, and English using written projects, construction documents that include creating blueprints, project packets, and student-centered construction projects. Prerequisite: None.
11-12	* ROP Electrical Systems – Sound and Communication (Electronic Systems 53 Fresno City College)	Studies include basic electronics, microcontrollers, the exploration of computers and computer networks, video security surveillance, burglar alarms, fire alarms, and an assortment of electronic systems. Through hands-on interactive projects students will prepare for entry into the telecommunications and electrical system industry. Prerequisite: None.

SYSTEMS DIAGNOSTICS, SERVICE, and REPAIR

Year in School	Pathway Course	Description
9-12	Basic Auto	This course provides students with information and activities that will stimulate understanding of the automobile and the automotive industry. It covers information regarding components of the automobile and how they work together. Prerequisite: None.
10-12	Auto 2	Studies include the principles of engines, chassis, electrical systems, brake, and suspension systems. Prerequisite: Basic Auto 1 with grade of "C" or higher.
10-12	Auto 3	This course covers two related areas of the automobile electrical systems and engine performance. Electrical systems involve the detailed study of electrical fundamentals: starting, charging, ignition, lighting, and auxiliary systems. Engine performance deals with the principles of engine compression, ignition, and carburetion. Students will learn to work with electrical test equipment commonly used in the industry. Prerequisite: Auto 2 with grade of "C" or higher.
11-12	* ROP Automotive Systems Technology Dual Enrollment (Auto Tech 9 (Fresno City College) (Even Years))	This Auto systems course is intended to give the student practical hands-on experience in diagnosing, troubleshooting and service procedures in the automotive field. The course also covers shop practice of maintenance and repair in the automotive specialty areas. Along with classroom work, this class will consist of a series of projects to be completed on automobiles. All repair jobs will be approved and assigned by the instructor; some students may choose to specialize in a certain area of interest. Prerequisite: Auto 3 with grade "C" or higher recommended.

11-12	*ROP Engine Technology Dual Enrollment (Auto Tech 9 (Fresno City College) (Odd Years)	Students gain practical, hands-on experience in diagnosing, troubleshooting, and servicing procedures in the automotive field with particular emphasis on engine service and repair. The course also covers the shop practice of maintenance and repair in the following areas: drive trains, axles, suspension, steering, brakes, and air conditioning. Students develop their skills through classroom instruction and a series of assigned projects. Prerequisite: Basic Auto or Auto 2 recommended.
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CLOVIS NORTH HIGH SCHOOL

Pathways

CHILD DEVELOPMENT		
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10	Exploration of Child and Adolescent Literature (HP)	Exploration of Child and Adolescent Literature is a grade 10 English Language Arts college preparatory course integrated with the Education Pathway standards. This course allows students to utilize Language Arts skills to investigate and evaluate the value and purpose of world literature for children and adolescents. Students synthesize knowledge of the developmental stages of physical, intellectual, social, and emotional development with an understanding of appropriate teaching materials and readings for each of the stages. Prerequisite: A 2.50 grade point average or higher, <u>AND</u> at least one of the following.
11-12	* ROP Careers in Child Development Dual Enrollment (Child Dev 1 Clovis Community College)	Studies include the preparation to work in fields dealing with young children and developmental stages of children before birth to age 12. Students gain firsthand experience through classroom and worksite learning, job shadowing, and tours that enable them to determine the benefits of an education-related career. Prerequisite: Excellent attendance and citizenship.
EDUCATION		
11	Contemporary Issues in Education (HP)	Contemporary Issues in Education is a college preparatory grade 11 English course integrated with the Education Pathway standards of the Education, Child Development, and Family Services sector which allows students to see where the skills of English intersect with the elements of education. Students conduct research, closely read, and analyze complex texts, evaluate instructional methodology and philosophy, and create a portfolio of reflections, activities, and compositions that, when synthesized, serve as the foundation for three capstone projects. Prerequisite: A 2.50 grade point average or higher.
11-12	* ROP Careers in Education w/ English 11 or 12 (P) Dual Enrollment (Education 10 Clovis Community College)	Studies include the nature and scope of the school system, the duties and opportunities of the professional teacher, factors relative to success in teaching, and credentialing requirements. Prerequisite: Grade of "C" or better in English 10, and English 11. Excellent attendance and behavior records in previous grade levels required.
PATIENT CARE		
Year in School	Pathway Course	Description
11	* ROP Medical Careers (P)	Studies include learning of transferable skills related to entry-level health occupations, the exploration of career options in the health industry, and becoming knowledgeable of post-secondary educational requirements. Prerequisite: Completion of Biology AB with a grade of "C" or higher. Maintain an overall GPA of 2.5 or higher.