

**ASD20 Alternative Course Catalogue
2025 - 2026**

Work-Based Learning

Work-Based Learning courses are credit-bearing courses incorporated into students' Individual Career and Academic Plan (ICAP) whereby students may or may not attend classes in a typical bell schedule. Students enrolled in Work-Based Learning courses receive credit for learning opportunities that occur in part or in whole in the workplace through real-world, hands-on experiences.

Course Title: WBL in Automotive Technology
Course Number: 108395
Course Type: Work-Based Learning
Credits: 1.0 per Semester **Credit Type:** Unrestricted Elective
Grade: 11 – 12 **Prerequisite:** None
School: Air Academy High School, Aspen Valley High School, Discovery Canyon Campus High School, Liberty High School, Pine Creek High School, Rampart High School

Course Description:

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. Course must align with student's ICAP. This course is part of CTE's Secondary Pathways and aligns with Automotive Service Pathway Level 4.

Course Title: WBL in Aviation
Course Number: 108470
Course Type: Work-Based Learning
Credits: 1.0 per Semester **Credit Type:** Unrestricted Elective
Grade: 11 – 12 **Prerequisite:** None
School: Air Academy High School, Aspen Valley High School, Discovery Canyon Campus High School, Liberty High School, Pine Creek High School, Rampart High School

Course Description:

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement for this course. This course is part of CTE's Secondary Pathways and aligns with Aviation Flight Pathway Level 4.

WORK-BASED LEARNING: (CONTINUED)

Course Title:	WBL in Business		
Course Number:	030100		
Course Type:	Work-Based Learning		
Credits:	1.0 per Semester	Credit Type:	Unrestricted Elective
Grade:	11 – 12	Prerequisite:	None
School:	Air Academy High School, Aspen Valley High School, Discovery Canyon Campus High School, Liberty High School, Pine Creek High School, Rampart High School		

Course Description:

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement for this course. This course is part of CTE's Secondary Pathways and aligns with Business Administration Pathway Level 4.

Course Title:	Career Exploration & Internship		
Course Number:	191132		
Course Type:	Work-Based Learning		
Credits:	1.0 per Semester	Credit Type:	Unrestricted Elective
Grade:	11 – 12	Prerequisite:	None
School:	Village High School		

Course Description:

The Career Exploration and Internship course is designed to support students in the development of job skills, exploration of potential career interests and practical experiences in the workplace. Students will complete career inventories and assessments, research potential careers, and spend time with professionals in various industries. Students are responsible for finding and maintaining employment throughout the semester and must work a minimum of 120 hours over the course of the semester. Students must provide their own transportation to and from work. The course may be repeated for credit, but students may only have one section per semester. This class does not meet regularly. **This course is for Village High School students only.**

WORK-BASED LEARNING: (CONTINUED)

Course Title:	WBL in Computer Science		
Course Number:	160045		
Course Type:	Work-Based Learning		
Credits:	1.0 per Semester	Credit Type:	Unrestricted Elective
Grade:	11 – 12	Prerequisite:	None
School:	Air Academy High School, Aspen Valley High School, Discovery Canyon Campus High School, Liberty High School, Pine Creek High School, Rampart High School		

Course Description:

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement for this course. This course is part of CTE's Secondary Pathways and aligns with Networking Systems and Security Pathway Level 4.

Course Title:	WBL in Construction		
Course Number:	101070		
Course Type:	Work-Based Learning		
Credits:	1.0 per Semester	Credit Type:	Unrestricted Elective
Grade:	11 – 12	Prerequisite:	None
School:	Air Academy High School, Aspen Valley High School, Discovery Canyon Campus High School, Liberty High School, Pine Creek High School, Rampart High School		

Course Description:

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement for this course. This course is part of CTE's Secondary Pathways and aligns with General Construction Pathway Level 4.

WORK-BASED LEARNING: (CONTINUED)

Course Title:	WBL in Digital Media		
Course Number:	109070		
Course Type:	Work-Based Learning		
Credits:	1.0 per Semester	Credit Type:	Unrestricted Elective
Grade:	11 – 12	Prerequisite:	None
School:	Air Academy High School, Aspen Valley High School, Discovery Canyon Campus High School, Liberty High School, Pine Creek High School, Rampart High School		

Course Description:

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement for this course. This course is part of CTE's Secondary Pathways and aligns with Digital Media & Communications Pathway Level 4.

Course Title:	WBL in Education		
Course Number:	191134		
Course Type:	Work-Based Learning		
Credits:	1.0 per Semester	Credit Type:	Unrestricted Elective
Grade:	11 – 12	Prerequisite:	None
School:	Air Academy High School, Aspen Valley High School, Discovery Canyon Campus High School, Liberty High School, Pine Creek High School, Rampart High School		

Course Description:

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement for this course. This course is part of CTE's Secondary Pathways and aligns with Human Services/Education and Training Pathway Level 4.

WORK-BASED LEARNING: (CONTINUED)

Course Title:	WBL in Engineering		
Course Number:	100070		
Course Type:	Work-Based Learning		
Credits:	1.0 per Semester	Credit Type:	Unrestricted Elective
Grade:	11 – 12	Prerequisite:	None
School:	Air Academy High School, Aspen Valley High School, Discovery Canyon Campus High School, Liberty High School, Pine Creek High School, Rampart High School		

Course Description:

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement for this course. This course is part of CTE's Secondary Pathways and aligns with Engineering & Technology Pathway Level 4.

Course Title:	WBL in Interior Design		
Course Number:	022070		
Course Type:	Work-Based Learning		
Credits:	1.0 per Semester	Credit Type:	Unrestricted Elective
Grade:	11 – 12	Prerequisite:	None
School:	Air Academy High School, Aspen Valley High School, Discovery Canyon Campus High School, Liberty High School, Pine Creek High School, Rampart High School		

Course Description:

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement for this course. This course is part of CTE's Secondary Pathways and aligns with Interior Design and Fashion Design Pathway Level 4.

WORK-BASED LEARNING: (CONTINUED)

Course Title: Practical Work Experience
Course Number: 191041
Course Type: Work-Based Learning
Credits: 1.0 per Semester **Credit Type:** Unrestricted Elective
Grade: 11 – 12 **Prerequisite:** None
School: Air Academy High School, Aspen Valley High School, Discovery Canyon Campus High School, Liberty High School, Pine Creek High School, Rampart High School

Course Description:

This course provides students with practical work experience in a professional setting, allowing them to apply academic knowledge and develop essential skills for future careers. The program aligns with the Colorado Essential Skills, D20 Portrait of a Graduate, and the Individual Career and Academic Plan (ICAP), focusing on communication, problem-solving, collaboration, and personal responsibility.

Supplemental Online

ASD20 High Schools provide students an opportunity to complete courses through an asynchronous, digitally-delivered curriculum provided by online learning resource Edgenuity. All instruction in these courses is digitally delivered and completed off-site with student autonomy over the time, place, path and/or pace of participation. In some instances, students may have a drop-in “Study Hall” time when they can work independently on Supplemental Online courses with certified teachers available to support students as requested.

ENGLISH LANGUAGE ARTS:

Course Title: Composition & Literature 4
Course Number: 050025A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** English
Grade: 12 **Prerequisite:** Amer Lit & Comp or AP Eng Lang & Comp
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: English 12 - This class prepares seniors for freshman college English composition courses and introduces a spectrum of traditionally canonical literature with which college-bound students are expected to be familiar. Students will write analyses of literature as well as a variety of essays including narration, description, persuasion, and exposition.

Course Title: English 3
Course Number: 050090A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** English
Grade: 11 **Prerequisite:** English 2 or World Lit & Comp
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: English 11 – Students will explore and analyze a variety of literary forms, periods, and genres focusing on American literature. Students will further develop their vocabulary, grammar, writing, and oral communication skills.

Course Title: Freshman Literature & Composition
Course Number: 053100A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** English
Grade: 9 **Prerequisite:** None
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: English 9 - This course emphasizes development of essential skills in reading, writing, speaking, listening, and vocabulary.

ENGLISH LANGUAGE ARTS: (CONTINUED)

Course Title: World Literature & Composition
Course Number: 050000A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** English
Grade: 10 **Prerequisite:** Freshman Lit & Comp
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: English 10 - This course emphasizes the study of world literature and uses that study as a vehicle for refining vocabulary, grammar, writing and oral communication skills.

MATHEMATICS:

Course Title: Algebra 1 A/B
Course Number: 111100A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** Math
Grade: 9 – 10 **Prerequisite:** Pre-Algebra, Applied Algebra
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: Algebra I - Topics consisting of analyzing and solving linear equations, pairs of simultaneous linear equations and functions will be further developed. Students will construct, compare, solve, and analyze linear, quadratic, and exponential functions and inequalities as well as perform arithmetic operations on polynomials. Students will also summarize, represent, and interpret data, including Personal Financial Literacy topics. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice.

Course Title: Algebra 2 A/B
Course Number: 111200A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** Math
Grade: 9 – 12 **Prerequisite:** MYP Geometry or equivalent
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: Algebra II - Topics consisting of linear, quadratic and exponential functions and trigonometric ratios will be further developed. Students will interpret, analyze, model, and transform polynomial, rational, trigonometric, and radical functions. Students will solve and justify solutions for polynomial functions including real and complex solutions. Students will solve exponential and logarithmic functions using appropriate technology. Students will also summarize, represent, and interpret data, including Personal Financial Literacy topics. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice.

MATHEMATICS: (CONTINUED)

Course Title: Consumer Math
Course Number: 115100A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** Math
Grade: 11-12 **Prerequisite:** None
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: Financial Math - Consumer Math is a course designated to reinforce and integrate basic computational skills with real-life skills needed to become a careful and competent consumer. Topics include purchasing goods and services, investing money, checking and savings accounts, taxes, and dealing with the everyday mathematics of today's society.

Course Title: Geometry
Course Number: 116010A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** Math
Grade: 9-12 **Prerequisite:** Algebra 1
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: Geometry – Topics consisting of Pythagorean Theorem, congruence and similarity will be further developed. Students will prove geometric theorems involving similarity, transformation, and congruence of two-dimensional and three-dimensional figures, trigonometric ratios, probability, and Personal Finance Literacy. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice.

SCIENCE:

Course Title: Biology
Course Number: 132015A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** Science
Grade: 9 **Prerequisite:** None
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: Biology - Biology provides crucial background in the life sciences arena. Topics covered include basic cell structure, function, and processes; genetics; microbiology; evolutionary concepts and trends; taxonomy of plants and animals (including dissection); basic vertebrate and invertebrate biology; basic ecology; and human biology. This course focuses on the world around us through the use of hands-on examples.

SCIENCE: (CONTINUED)

Course Title: Chemistry
Course Number: 133115A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** Science
Grade: 10-12 **Prerequisite:** Algebra 1
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: Chemistry - Chemistry is the study of the properties, changes, and interactions of matter. Topics covered include principles of chemical change, chemical formulas, equations and their application, atomic theory, the Periodic Table, acids and bases, phases of matter, solutions, and thermodynamics. There is a significant laboratory component to this course as well as the ability to use mathematics to solve problems.

Course Title: Earth Science
Course Number: 134000A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** Science
Grade: 10-12 **Prerequisite:** None
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: Earth Science - Earth Science is a lab-centered course covering subjects in geological and astronomical science. In addition, Earth Science explores how science, technology, and human activity can affect the world.

Course Title: Environmental Science
Course Number: 132405A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** Science
Grade: 9-12 **Prerequisite:** None
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: Environmental Science – Environmental Science explores the natural world from an ecological and human point of view. Topics covered include types of ecosystems, non-living and living components of ecosystems (including plants, animals, bacteria, fungi, and single-celled organisms), interactions between the non-living and living components, population studies, and animal behavior. In addition, this course also examines discussions on environmental law, economics, ethics and how humans are impacting the natural world. Lab investigations, field studies, and research projects are undertaken to examine each topic.

SCIENCE: (CONTINUED)

Course Title: Physics
Course Number: 133200A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** Science
Grade: 11-12 **Prerequisite:** MYP Biology
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: Physics - Physics is a lab-based course that explores the science of matter and energy and the interactions between the two. Topics include kinematics, Newton's 3 laws of motion, momentum, energy, the principles of waves, light, magnetism, electricity, optics, and celestial mechanics. The ability to use mathematics to solve experimental problems is emphasized.

SOCIAL STUDIES:

Course Title: Civics and Law
Course Number: 157105
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** Social Studies
Grade: 11-12 **Prerequisite:** None
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: Civics and Citizenship - Civics and Law provides a basic understanding of the design and operation of federal, state, and local governments. Relationships between the citizen and the government are explored, and the student develops an understanding of the significant role of the citizen in American democracy. The students become familiar with the American legal system and their rights and responsibilities as citizens. **This course meets the one semester graduation requirement in Civics.**

Course Title: Economics
Course Number: 153000
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** Social Studies
Grade: 10-12 **Prerequisite:** None
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: Economics - Economics studies the basic concepts of scarcity, opportunity cost, economic systems, and supply/demand. Topics covered include an understanding of the basic economic information distributed by mainstream media such as the unemployment rate, gross domestic product, inflation rate, monetary and fiscal policy, and how the economic decisions made by individuals, governments, and businesses impact members of society.

SOCIAL STUDIES: (CONTINUED)

Course Title: US History/Geography
Course Number: 155505A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** Social Studies
Grade: 11-12 **Prerequisite:** None
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: US History - US History/Geography is a survey course of US History from the pre-colonial period to the present. The course is designed to develop an understanding of the birth and growth of the US to include people of varied backgrounds. Emphasis is placed on the cause and effect of relationships found throughout our nation's history and geographical development as well as relationships between history and politics/economics.

Course Title: World History & Geography
Course Number: 155905A/B
Course Type: Supplemental Online
Credits: 1.0 per Semester **Credit Type:** Social Studies
Grade: 10 **Prerequisite:** None
School: EPP @ Aspen Valley High School

Course Description:

EDGENUITY COURSE: Modern World History - This course examines the major developments of world history from the Renaissance to the present. Students will learn cause and effect relationships with an emphasis on political, economic, geographic, and social forces that shape the modern world.
