COLORADO SPRINGS SCHOOL DISTRICT 11
Achievement, Learning, & Leadership

NEW COURSE

REQUEST FOR APPROVAL

SPRING 2021

COLORADO SPRINGS SCHOOL DISTRICT 11
Achievement, Learning & Leadership

NEW SECONDARY COURSE
REQUEST FOR APPROVAL
SPRING 2021

MIDDLE SCHOOL LEVEL

Course Name:	IT Fundamentals 1, 2
Course Code:	ITM.ITFM1, ITM.ITFM2
State Course Code:	10003
Subject/Department:	Industrial Technology/Computer Technology
Course Length:	1 Semester
Grade:	6-8
Prerequisite:	None
Credits per Semester:	None
Course Description:	IT Fudamentals helps students to decide if a career in IT is right for them or to develop a broader understanding of IT. ITF+ is the only pre-career certification that helps students or career changers build the competency for information technology, networking and cybersecurity career paths. ITF+ establishes an IT education framework for students in middle school and high school.

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NEW SECONDARY COURSE
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MIDDLE SCHOOL LEVEL

Course Name:	Girls Who Code (SEM) 1; Girls WHo Code (SEM) 2
Course Code:	ITM.GWC1; ITM.GWC2
State Course Code:	10012
Subject/Department:	PW/CT
Course Length:	Semester
Grade:	7-8
Prerequisite:	None
Credits per Semester:	One (1) Postsecondary Workforce Readiness (PW), Practical Arts (PA), or Elective (EL)
Course Description:	Girls Who Code is meant for girls to join a sisterhood of supportive peers and role models and use Computer Science to change the world. Girls who participate in this course will affiliate with the national Girls Who Code organization providing access to an expanding cohort of women in technology accessible through college and beyond. Students will learn from fun and simple online coding tutorials, build community through interactive activities, and learn about inspiring role models. Students work in teams to design and build a project that solves real world problems embedding intrinsic motivation through code. Students build Computer Science skills through learning how to code from online tutorials and activities including building animations, games, apps, and other coding products.

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NEW SECONDARY COURSE
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HIGH SCHOOL LEVEL

Course Name:	IT Fundamentals 1, 2
Course Code:	IT.ITFM1, IT.ITFM2
State Course Code:	10003
Subject/Department:	Industrial Technology/Computer Technology
Course Length:	1 Semester
Grade:	9-12
Prerequisite:	None
Credits per Semester:	1 per semester (1) Postsecondary Workforce Readiness, Computer, Practical Arts, or Elective
Course Description:	IT Fudamentals helps students to decide if a career in IT is right for them or to develop a broader understanding of IT. ITF+ is the only pre-career certification that helps students or career changers build the competency for information technology, networking and cybersecurity career paths. ITF+ establishes an IT education framework for students in middle school and high school.

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NEW SECONDARY COURSE
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HIGH SCHOOL LEVEL

Course Name:	Culinary Essentials 1
Course Code:	CF.CULESS1
State Course Code:	19252
Subject/Department:	Postsecondary Workforce Readiness / Career Technology Education
Course Length:	Semester
Grade:	9-12
Prerequisite:	None
Credits per Semester:	One (1) Postsecondary Workforce Readiness (PW), Practical Arts (PA), or Elective (EL)
Course Description:	This course is designed to introduce students to a variety of culinary skills and food preparation. Through instruction and culinary lab practice, this class will provide an opportunity for students to learn food preparation and demonstrate food safety. Some topics include introductory culinary skills and preparation of items such as quick breads, yeast breads, and eggs; as well as meal and menu planning, nutrition, and food borne illnesses. Students will be able to: Demonstrate the correct procedures' and techniques in introductory culinary labs. Analyze nutritional guidelines and plan menus that are nutritionally balanced. Demonstrate food safety standards.

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HIGH SCHOOL LEVEL

Course Name:	Culinary Essentials 2
Course Code:	CF.CULESS2
State Course Code:	19252
Subject/Department:	Postsecondary Workforce Readiness / Career Technology Education
Course Length:	1 Semester
Grade:	9-12
Prerequisite:	None
Credits per Semester:	One (1) Postsecondary Workforce Readiness (PW), Career Technology Education (CTE)
Course Description:	This intermediate culinary course is designed for students interested in exploring culinary careers, and to advance them to the next level of food preparation. The students will have the opportunity to prepare menu items that involve more detailed procedures, and practice techniques used in the culinary field. They will: Classify pasta types and create fresh pasta dishes. Prepare and evaluate nutritional value of various types of meats. Select herbs and spices to enhance flavors of foods. Apply techniques used in cake and cookie decorating. Develop skills in preparing advanced yeast breads and pastries. Identify the origins and prepare foods from different regions and cultures. Emphasize presentation throughout the course.

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NEW SECONDARY COURSE
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HIGH SCHOOL LEVEL

Course Name:	ECE103A Guidance Strategies For Young Children; ECE103B Guidance Strategies For Young Children
Course Code:	CF.ECED3AH; CF.ECED3BH
State Course Code:	19153
Subject/Department:	Postsecondary Workforce Readiness / Career Technology Education
Course Length:	1 Semester
Grade:	10-12
Prerequisite:	ECE101
Credits per Semester:	1 (one) Postsecondary Workforce Readiness (PW), Career Technology Education (CTE)
Course Description:	Explores guidance theories, applications, goals, and techniques, as well as factors that influence behavioral expectations of children. This course includes classroom management and pro-social skills development of young children in early childhood (EC) program settings. This course addresses children ages birth through 8 years.

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HIGH SCHOOL LEVEL

Course Name:	IB Sports Exercise Science 1, 2 SL
Course Code:	SC.SPEXSL1; SC.SPEXSL2
State Course Code:	14062
Subject/Department:	Science / Postsecondary Workforce Readiness / Career Technology Education
Course Length:	1 Semester
Grade:	9-12
Prerequisite:	Biology
Credits per Semester:	One (1) Science (SC), Postsecondary Workforce Readiness (PW), Practical Arts (PA), or Elective (EL)
Course Description:	The IB DP course in sports, exercise and health science standard level (SL) involves the study of the science that underpins physical performance. The course incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition. Students cover a range of topics and carry out practical (experimental) investigations in both laboratory and field settings. This provides an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. Where relevant, the course will address issues of international dimensions and ethics by considering sport, exercise and health relative to the individual in a global context.

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HIGH SCHOOL LEVEL

Course Name:	IB Sports Exercise Science 3, 4 SL
Course Code:	SC.SPEXSL3; SC.SPEXSL4
State Course Code:	14062
Subject/Department:	Science / Postsecondary Workforce Readiness / Career Technology Education
Course Length:	1 Semester
Grade:	9-12
Prerequisite:	IB Sports Exercise Science 1, 2 SL
Credits per Semester:	One (1) Science (SC), Postsecondary Workforce Readiness (PW), Practical Arts (PA), or Elective (EL)
Course Description:	The IB DP course in sports, exercise and health science standard level (SL) involves the study of the science that underpins physical performance. The course incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition. Students cover a range of topics and carry out practical (experimental) investigations in both laboratory and field settings. This provides an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. Where relevant, the course will address issues of international dimensions and ethics by considering sport, exercise and health relative to the individual in a global context.

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HIGH SCHOOL LEVEL

Course Name:	Human Nutrition
Course Code:	SC.HUMNUT
State Course Code:	14062
Subject/Department:	Science / Postsecondary Workforce Readiness
Course Length:	1 Semester
Grade:	9-12
Prerequisite:	None
Credits per Semester:	One (1) Science (SC), Postsecondary Workforce Readiness (PW)
Course Description:	Introduces basic principles of nutrition with emphasis on personal nutrition. This course focuses on macro and micro nutrients and their effects on the functions of the human body. Special emphasis is placed on the application of wellness, disease, and lifespan as it pertains to nutrition.

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HIGH SCHOOL LEVEL

Course Name:	IB CP Per Prof Skills 1; IB CP Per Prof Skills 2; IB CP Per Prof Skills 3; IB CP Per Prof Skills 4
Course Code:	CT.CPPPS1; CT.CPPPS2; CT.CPPPS3; CT.CPPPS4
State Course Code:	22113
Subject/Department:	CT/PW (Career & Tech Ed/Postsecondary Workforce Readiness)
Course Length:	Semester
Grade:	11-12
Prerequisite:	N
Credits per Semester:	1 per semester (1) Postsecondary Workforce Readiness, Practical Arts, or Elective
Course Description:	The personal and professional skills course aims to develop responsibility, practical problem-solving, good intellectual habits, ethical understandings, perseverance, resilience, an appreciation of identity and perspective, and an understanding of the complexity of the modern world. Emphasis is on the development of skills needed to successfully navigate higher education, the workplace and society. With that in mind the PPS will be very practical in nature.

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HIGH SCHOOL LEVEL

Course Name:	Pre-AP Algebra 1A
Course Code:	MA.AG1APAP
State Course Code:	02053
Subject/Department:	Mathematics / Mathematics
Course Length:	1 Semester
Grade:	9-12
Prerequisite:	Grade 8 Math or Pre-Algebra
Credits per Semester:	One (1) Mathematics (MA) or Elective (EL)
Course Description:	This course is part of a multi-course sequence that constitutes Pre-Algebra I. In this course students explore all aspects of linear relationships: contextual problems that involve constant rate of change (constant additive growth), lines in the coordinate plane, arithmetic sequences, and algebraic means of expressing a linear relationship between two quantities. Through this course students will develop deep skills with linear functions and equations and an appreciation for the simplicity and power of linear functions as building blocks of all higher mathematics. *Note: This course will earn one (1) math credit toward D11 high school graduation. Successful completion of <u>both</u> Pre-AP Algebra 1A and Pre-Algebra 1B will earn one (1) semester credit of first-year algebra that is required by District 11 for high school graduation.*

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HIGH SCHOOL LEVEL

Course Name:	Pre-AP Algebra 1B
Course Code:	MA.AG1BPAP
State Course Code:	02053
Subject/Department:	Algebra / Mathematics
Course Length:	1 Semester
Grade:	9-12
Prerequisite:	Pre-Algebra 1A
Credits per Semester:	One (1) Algebra (AG) or Mathematics (MA) or Elective (EL)
Course Description:	This course is part of a multi-course sequence that constitutes Pre-Algebra I. This course reinforces and extends students' mastery in understanding and visualizing linear relationships and in algebraically developing and transforming linear expressions and equations. In this course students solve systems of equations in support of two goals: to determine the solution to the system of equations and to become strategic and efficient in choosing a method to solve the system. Students use systems of linear equations and systems of linear inequalities to model physical phenomena, especially those with multiple constraints where an optimal solution to an objective function is desired. Through these contexts students build upon their prior knowledge of solving systems of equations and develop more sophisticated understandings about what the solution(s) to a system means in the context of the problem. *Note: This course will earn one (1) math credit toward D11 high school graduation. Successful completion of <u>both</u> Pre-AP Algebra 1A and Pre-Algebra 1B will earn one (1) semester credit of first-year algebra that is required by District 11 for high school graduation.*

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HIGH SCHOOL LEVEL

Course Name:	Pre-AP Algebra 2A
Course Code:	MA.AG2APAP
State Course Code:	02054
Subject/Department:	Mathematics / Mathematics
Course Length:	1 Semester
Grade:	9-12
Prerequisite:	Algebra 1 or Pre-AP Algebra 1 or Pre-AP Algebra 1A, 1B
Credits per Semester:	One (1) Mathematics (MA) or Elective (EL)
Course Description:	This course is part of a multi-course sequence that constitutes Pre-Algebra I. In this course, students develop a strong foundation in the important concept of quadratic functions. Students will understand that quadratic functions have a linear rate of change, are often formed by multiplying two linear expressions, and therefore are not linear. Students will understand that quadratic functions are useful for modeling phenomena that have a linear rate of change and symmetry around a unique minimum or maximum. This foundational understanding of quadratics will help students build their conceptual knowledge of nonlinear functions and will prepare them for further study of polynomial and rational functions. *Note: This course will earn one (1) math credit toward D11 high school graduation. Successful completion of both Pre-AP Algebra 2A and Pre-Algebra 2B will earn one (1) semester credit of first-year algebra that is required by District 11 for high school graduation.*

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HIGH SCHOOL LEVEL

Course Name:	Pre-AP Algebra 2B
Course Code:	MA.AG2BPAP
State Course Code:	02054
Subject/Department:	Algebra / Mathematics
Course Length:	1 Semester
Grade:	9-12
Prerequisite:	Pre-Algebra 2A
Credits per Semester:	One (1) Algebra (AG) or Mathematics (MA) or Elective (EL)
Course Description:	This course is part of a multi-course sequence that constitutes Pre-Algebra I. In this course student will understand exponent rules as an extension of geometric sequences and the properties of multiplication and division for real numbers. Students will make sense of exponent rules and not simply memorize them without understanding how they arise. This course culminates in students investigating how exponential functions can model physical phenomena that exhibit constant multiplicative growth, (an exponential rate of change). Exponential functions will be framed as multiplicative analogues of linear functions and so tight connections will be drawn between these two classes of functions and their shared properties. *Note: This course will earn one (1) math credit toward D11 high school graduation. Successful completion of <u>both</u> Pre-AP Algebra 2A and Pre-Algebra 2B will earn one (1) semester credit of first-year algebra that is required by District 11 for high school graduation.*

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HIGH SCHOOL LEVEL

Course Name:	IB English 5,6,7,8 - SL
Course Code:	EN.IB5SL; EN.IB6SL; EN.IB7SL; EN.IB8SL
State Course Code:	01011
Subject/Department:	EN (5-8)
Course Length:	1 Semester
Grade:	11th and 12th grade
Prerequisite:	English 1,2 and English 3, 4
Credits per Semester:	1 per semester (one) English per grade level (EN) or Humanities
Course Description:	Part of the International Baccalaureate Program, this four-semester study of global literature (including works in translation) focuses primarily on the development of solid analytic skills as demonstrated in essays of literary criticism and in various oral presentations. Students may encounter literature (both full texts and bodies of work) from many diverse regions and cultures, including Latin America, Africa, Asia, and North America. A certain number of written and oral assignments throughout the two-year course are externally evaluated by the IB Examination Office to ensure that students meet the assessment criteria mandated by the Program. Expectations concerning workload are generally equivalent to Junior and Senior Level English courses.