BUTTE-GLENN COMMUNITY COLLEGE DISTRICT
3536 Butte Campus Drive, Oroville, CA 95965

COLLEGE AND CAREER ACCESS PATHWAYS PARTNERSHIP AGREEMENT

APPENDIX

WHEREAS, the College and Career Access Pathways Partnership Agreement ("CCAP Agreement') is between **Butte-Glenn Community College District** ("College") and **Willows Unified School District** ("School District"); and

WHEREAS, the College and the School District agree to record College and School District specific components of the CCAP Agreement using the CCAP Agreement Appendix to specify additional detail regarding, but not limited to: the total number of high school students to be served; the total number of full-time equivalent students projected to be claimed by the College for those students; the scope, nature, time, location and listing of community college courses to be offered; and the criteria to assess the ability of pupils to benefit from those courses. (Ed. Code, § 76004, subd. (c)(1))

NOW THEREFORE, the College and School District agree as follows:

1. CCAP AGREEMENT

1.1. The College and School District entered into this CCAP Agreement on **July 1, 2018**, pursuant to action of the governing boards of the College and School District.

1.1.1. COLLEGE BOARD MEETINGS

Information Board Meeting Date:	Agreement: 4/17/18	Appendix: 5/15/19
Public Comment and Approval Board Meeting Date:	Agreement: 5/16/18	Appendix: 6/19/19 Update:

1.1.2. SCHOOL DISTRICT BOARD MEETINGS

Information Board Meeting Date:	Agreement: 5/3/18	Appendix: 6/10/19
Public Comment and Approval Board Meeting Date:	Agreement: 6/18/18	Appendix: 6/13/19 Update:10/10/19

2. POINTS OF CONTACT

2.1. College and School District points of contact for this CCAP Agreement: (Ed. Code, § 76004 (c)(2))

COLLEGE

Name:	Tanna Neilsen	Title:	Administrative Secretary
Telephone:	(530)879-6108	Email:	neilsenta@butte.edu

SCHOOL DISTRICT

Name:	Julie Soeth	Title:	Administrative Assistant
Telephone:	(530)937-6600 x2	Email:	jsoeth@willowsunified.org

3. STUDENT SELECTION

3.1. College and School District shall adhere to the terms outlined in Section 3, Student Eligibility, Admission, Registration and Enrollment of the CCAP Agreement to select eligible students.

4. **CCAP AGREEMENT EDUCATION PROGRAM(S) AND COURSE(S).** The College and School District shall ensure courses offered as part of this CCAP Agreement are consistent with the high school's master schedule. The College and School District have identified the following: program year; educational program(s) and course(s) to be offered at the said date, time and location; term; number of sections; the total number of students to be served and projected FTES; and the instructor and employer of record.

PROGRAM YEAR:	2019-20	EDUCATIONAL PROGRAM:			
SCHOOL DISTRICT:	Willows Unified School District	HIGH SCHOOL:	Willows High School		

TOTAL NUMBER OF STUDENTS TO BE SERVED: 200	**TOTAL PROJECTED FTES:** 20

COURSE NAME	COURSE #	TERM	TIME	DAYS/ HOURS	INSTRUCTOR	EMPLOYER OF RECORD	LOCATION
Intro to Animal Science	AGS40	FA19	7-3	M-F	B. McCorkle	☐ CC ☒ HS	☐ CC ☒ HS
Intro to Environmental Horticulture	EH20	FA19	7-3	M-F	K. Jones	☐ CC ☒ HS	☐ CC ☒ HS
Medical Terminology	ALH104	SP20	7-3	M-F	T. Torres	☐ CC ☒ HS	☐ CC ☒ HS
Career, Education & Life Choices	CLP101	SP20	7-3	M-F	J. Ovitz	☐ CC ☒ HS	☐ CC ☒ HS
Career, Education & Life Choices	CLP101	SP20	7-3	M-F	J. Ovitz	☐ CC ☒ HS	☐ CC ☒ HS
Career, Education & Life Choices	CLP101	SP20	7-3	M-F	J. Ovitz	☐ CC ☒ HS	☐ CC ☒ HS
Career, Education & Life Choices	CLP101	SP20	7-3	M-F	J. Ovitz	☐ CC ☒ HS	☐ CC ☒ HS
Career, Education & Life Choices	CLP101	SP20	7-3	M-F	J. Ovitz	☐ CC ☒ HS	☐ CC ☒ HS

Required: Attach the course description for each course listed above. Each course description should include information regarding the nature and scope of the course.

Required: Describe the criteria used to assess the ability of pupils to benefit from the courses(s) offered: (Ed. Code, § 76004 (c)(1))

SCHOOL DISTRICT counselors and pathway instructors select students based on academic readiness and alignment of course content to students' education and career goals.

5. **BOOKS AND INSTRUCTIONAL MATERIALS.** The total cost of books and instructional materials for School District students participating as part of this CCAP agreement will be borne by School District.

COURSE NAME	TEXT	COST	OTHER INSTRUCTIONAL MATERIALS	COST
N/A				

6. **REIMBURSEMENT.**

6.1. Use of School District Instructor. For those courses in which a School District instructor is responsible for the instructional services for a course offered as part of this CCAP Agreement, the College will reimburse School District as follows: **$400.00 per completed section.**

6.2. Invoicing Procedures. Within 30 days after the end of each academic term, the School District shall provide an invoice to the College for reimbursement implied in this CCAP Agreement Appendix. The invoice must specify the course name, course number, term, instructor and the number of students served.

7. **FACILITIES USE.**

7.1. College and School District shall adhere to the terms outlined in Section 13, Facilities, of this CCAP Agreement.

7.2. School District as part of Section 13.1 of this CCAP Agreement, shall extend access and use of the following School District facilities:

BUILDING	CLASSROOM	DAYS	HOURS
WHS	301	M-F	7-3
WHS	302	M-F	7-3
WHS	303	M-F	7-3
WHS	304	M-F	7-3
WHS	304	M-F	7-3
WHS	304	M-F	7-3
WHS	304	M-F	7-3
WHS	304	M-F	7-3

8. **APPENDIX APPROVAL**

8.1. The College and School District shall ensure that the governing board of each district, at an open public meeting of that board, present this Appendix as an information item. The College and School District shall ensure that the governing board of each district, at a subsequent open public meeting of that board, shall take comments from the public and approve or disapprove this Appendix. (Ed. Code, § 76004, subd. (b))

8.2. Upon approval of this Appendix by the governing boards of both the College and School District, the College will provide a copy of this Appendix to the Chancellor's Office of the California Community Colleges prior to the start of the course. (Ed. Code, § 76004, subd. (c)(3))

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the parties to the CCAP Agreement have executed this CCAP Agreement Appendix by their duly authorized representatives on the dates of their signatures.

BUTTE-GLENN COMMUNITY COLLEGE DISTRICT

By:_____
(Signature of person authorized to execute Appendix on behalf of College.)

Name:_____

Title:_____

Date:_____

WILLOWS UNIFIED SCHOOL DISTRICT

By:_____
(Signature of person authorized to execute Appendix on behalf of School District.)

Name:_____

Title:_____

Date:_____

TO BE COMPLETED BY COLLEGE ONLY The person preparing this contract must complete this section and obtain appropriate initials before contract will be approved.					
Initiating Department:	VPI	Preparer's Name & ID:	TANNA NEILSEN 3180821	Phone:	6108
Vendor Name:	WILLOWS UNIFIED SCHOOL DISTRICT		Vendor ID:		
PO Description *(Max. 25 characters)*:	DUAL ENROLLMENT CCAP PARTNERSHIP				
Budget Code:	12.205.110.1.601010.55890		PO Amount:		
Contract Monitor Name *(Person Who Approves Invoices)*:	TANNA NEILSEN			Phone:	6108
Dept. Dean/Director Initials:		Dept. Vice President Initials:			
Business Contracts Approval:		**Purchase Order Number:**			

BUTTE COLLEGE
COURSE OUTLINE

I. **CATALOG DESCRIPTION**

AGS 40 - Introduction to Animal Science **3 Unit(s)**

Prerequisite(s): NONE
Recommended Prep: Reading Level III; English Level III; Math Level II
Transfer Status: CSU/UC
34 hours Lecture
51 hours Lab

This course is a scientific approach to the livestock industry encompassing aspects of animal anatomy, physiology, nutrition, genetics and epidemiology. There will be special emphasis on the origin, characteristics, adaptation and contributions of farm animals to the global agriculture industry. Analysis of the economic trends and career opportunities in animal agriculture will be covered.

II. **OBJECTIVES**

Upon successful completion of this course, the student will be able to:

A. Identify animal contributions to the development of human civilizations.
B. Describe economically significant breeds of animals and their unique adaptations.
C. Describe the function of the major body systems.
D. Identify reproductive cycles and biotechnological principles of animal reproduction.
E. Analyze genetic change through artificial/natural selection.
F. Discuss nutritional needs for various body functions.
G. Describe animal behavior as it relates to animal domestication, health and performance.
H. Explain basic strategies for disease control, prevention and management.
I. Utilize the scientific method to collect data, calculate production parameters and make scientifically-based management decisions.
J. Identify and discuss current issues affecting animal agriculture.

III. **COURSE CONTENT**

A. **Unit Titles/Suggested Time Schedule**

Lecture

Topics	Hours
1. Introduction to animal agriculture a. Career opportunities b. Importance of domestic animals to the world and to the United States c. Economic importance of animal agriculture d. Animal contributions to human needs e. Ethnic and cultural contributions to animal domestication	4.00
2. Unique adaptations of various species a. Natural selection vs artificial selection b. Meat animal use and production c. Fiber production d. Dairy production e. Recreational and companionship use of animals	4.00
3. Anatomy and physiology a. Identification of external anatomy for various species b. Analysis of body systems – reproductive, respiratory, digestive, immune, circulatory	3.00

4. Animal reproduction a. Animal breeding systems b. Reproductive management and technology c. Fertility assessment	3.00
5. Genetics a. Introduction and review of genetic principles b. Gene modification and genetic interactions c. Genetic improvement and variation d. Inheritance and population genetics	3.00
6. Nutrition a. Classes of nutrients b. Feed identification and composition c. Livestock feeding management practices	3.00
7. Animal behavior (ethology) a. Behavioral characteristics b. Animal handling and safety c. Conditioning	3.00
8. Animal health a. Biosecurity b. Vital Signs c. Indications of health vs disease d. Common diseases	3.00
9. The scientific method a. Research in animal agriculture b. Developing a research model c. Humane treatment of research animals	3.00
10. Issues affecting animal agriculture a. Animal welfare issues b. Advances in biotechnology c. Governmental and environmental concerns d. Food safety e. Public policy and consumer awareness	5.00
Total Hours	34.00

Lab

Topics	Hours
1. Beef and Dairy	3.00
2. Sheep and Swine	3.00
3. Meats lab, safety and processes	3.00
4. Grocery store - meat, cheese, butter, ice cream	3.00
5. Purebred Beef - Expected Progeny Differences (EPD)	3.00
6. Commerical cattle operation - weaning, castration	3.00
7. Dairy farm - production cycle	3.00
8. Milk processing - cheese plant	3.00
9. Sheep - lambing and handling	3.00
10. Purebred Sheep - production cyle	3.00
11. Swine - vaccination, selection, management	3.00
12. Poultry - quality of carcasses and eggs	3.00

13.	Horse - production cycle	3.00
14.	Selection workshop	3.00
15.	Biotechnology and environmental workshop	3.00
16.	North Valley Livestock Tour	6.00
Total Hours		51.00

IV. METHODS OF INSTRUCTION

A. Lecture
B. Class Activities
C. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
D. Discussion
E. Problem-Solving Sessions

V. METHODS OF EVALUATION

A. Exams/Tests
B. Class participation
C. Written Examinations
D. Practical Evaluations
E. Mid-term and final examinations

VI. EXAMPLES OF ASSIGNMENTS

A. Reading Assignments
   1. Read the chapter on genetic change through selection and be prepared to share your findings with the class.
   2. Read the chapter on market classes and grades of livestock and be able to discuss in a group setting the evaluative criteria for each grade of beef, pork and lamb.

B. Writing Assignments
   1. Read the chapter on animal behavior and and write a 2-3 page paper on the fields of animal behavior and systems of animal behavior.
   2. Read an article from a trade magazine on the issues in animal agriculture and write 2 page paper on animal welfare.

C. Out-of-Class Assignments
   1. Visit any livestock operation in the local area and be prepared to share with the class, the breeds, total numbers and management practices utilized at the operation.
   2. Use the Internet to check current pricing on the major market animals as well as breeding stock for swine, sheep, beef and dairy cattle. This information will be shared with the class.

VII. RECOMMENDED MATERIALS OF INSTRUCTION

Textbooks:

A. Taylor, R. Scientific Farm Animal Production. 10th Edition. Prentice Hall, 2012.

Materials Other Than Textbooks:

A. Materials: 3 ring notebook, proper clothing for labs

Created/Revised by: Bruce Hicks
Date: 10/20/2014

BUTTE COLLEGE
COURSE OUTLINE

I. CATALOG DESCRIPTION

AGS 20 - Plant Science **3 Unit(s)**

Transfer Status: CSU/UC
34 hours Lecture
51 hours Lab

This course is an introduction to plant science including structure, growth processes, propagation, physiology, growth medica, biological competitors, and post-harvest factors of food, fiber, and ornamental plants. (C-ID AG-PS 104).

II. OBJECTIVES

Upon successful completion of this course, the student will be able to:

A. Identify and discuss scientific methods and scientific research.
B. Categorize the roles of higher plants in the living world.
C. Describe the structural components of higher plants.
D. Explain the standard plant propagation methods.
E. Describe sexual and asexual reproduction in higher plants.
F. Explain photosynthesis, respiration, and translocation in higher plants.
G. Describe the physical and chemical properties of soils and how they affect soil erosion problems.
H. Describe the climatic influences on plant growth and development.
I. Categorize the biological competitors of higher plants.

III. COURSE CONTENT

A. **Unit Titles/Suggested Time Schedule**

Lecture

Topics	Lec Hrs
1. The role of higher plants in the living world A. Fossil fuels B. Food chains C. Industrial products D. Lower forms of plant life	2.00
2. Structure of higher plants A. The life cycle of a plant B. The cell C. Cell structure D. The plant body	4.00
3. Naming and classifying plants A. Climate B. Botanical names C. Botanical classifications D. Plant taxonomy	1.00

4.	Origin, domestication, and improvement of cultivated plants A. Origin of cultivated plants B. Domestication of plants C. Crop plants D. Germplasm E. Genetic concepts in plant improvement	2.00
5.	Propagation of plants A. Propagation methods B. Sexual propagation C. Vegetative propagation	2.00
6.	Vegetative and reproductive growth and development A. Vegetative growth and development B. Reproductive growth and development C. Plant growth regulators	3.00
7.	Photosynthesis, respiration, and translocation A. Photosynthesis B. Plant respiration C. Electron transport system D. Assimilation	8.00
8.	Soil and soil water A. Factors involved in soil formation B. Physical properties of soil C. Chemical properties of soil D. Soil organisms E. Soil organic matter F. Soil water G. Water quality	3.00
9.	Soil and water management and mineral nutrition A. Land preparation B. Irrigation C. Mineral nutrition D. Soil conservation	3.00
10.	Climatic influences on crop production A. Climatic factors affecting plant growth B. Climatic requirements of some crop plants C. Weather and climate D. Climatic influences on plant diseases and pests	2.00
11.	Biological competitors of useful plants A. Weeds B. Plant diseases C. Plant pests D. Nematodes E. Rodents F. Pesticide impacts on the environment	2.00
12.	The scientific method A. Developing a hypothesis B. Scientific design C. Application to plant/soil problems	2.00
Total Hours		34.00

Lab

Topics	Hours
1. Structure of higher plants	6.00
2. Naming and classifying plants	3.00
3. Propagation of plants	6.00
4. Vegetative and reproductive growth	6.00
5. Soil and soil water	6.00
6. Fertilizers and plant nutrient needs	3.00
7. Biological competitors of useful plants	3.00
8. Application of the scientific method	6.00
9. Appropriate technology skills used in Plant Science	6.00
10. Genetics and Plant Reproduction	6.00
Total Hours	51.00

IV. METHODS OF INSTRUCTION

A. Laboratory Experiments
B. Lecture
C. Discussion
D. Field Trips
E. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture

V. METHODS OF EVALUATION

A. Quizzes
B. Class participation
C. Written Assignments
D. Mid-term and final examinations
E. Written Reports: Course grade is based on deomonstrated proficiency in subject matter and the ability to demonstrate that proficiency by means of a 1500-word lab report.

VI. EXAMPLES OF ASSIGNMENTS

A. Reading Assignments
   1. Read the chapter on flower and fruit formation in your text. Be prepared to discuss a particular fruit type in class.
   2. Read an article from a plant journal about the scientific method. Be prepared to discuss the parts of the journal article in class.

B. Writing Assignments
   1. Write a 3-4 page lab report on tissue culture.
   2. Write a short paper (2-3 pages) on the importance of genetics to the selection process of plants.

C. Out-of-Class Assignments
   1. Observe a local agricultural crop and describe in a short paper the production methods in use.
   2. Visit the horticulture department greenhouses observing the wide variety of plants and describe in a short paper your personal experience.

VII. RECOMMENDED MATERIALS OF INSTRUCTION

Textbooks:

A. McMahon, M.E . Hartmann's Plant Science: Growth, Development, and Utilization of Cultivated Plants. 4th Edition. Prentice Hall, 2010.

Created/Revised by: Carrie Monlux
Date: 10/20/2014

BUTTE COLLEGE
COURSE OUTLINE

I. **CATALOG DESCRIPTION**

CLP 101 - Career, Education and Life Choices **3 Unit(s)**

Prerequisite(s): NONE
Recommended Prep: Reading Level II; English Level II
Transfer Status: NT
51 hours Lecture

This is an introductory personal development course where students learn the skills for goal setting, budget projection, career and educational research, decision-making, and personal management. The course culminates in a 10-year action plan to fulfill educational and career goals.

II. **OBJECTIVES**

Upon successful completion of this course, the student will be able to:

A. Identify interests, lifestyle preferences and aptitudes that influence career, education and life choices.
B. Conduct preliminary career research using online and in-person resources such as the Occupational Outlook Handbook and informational interviews.
C. Use a basic problem-solving techniques to overcome obstacles and refine personal goals.
D. Create plans and use self-directed strategies for career changes and lifelong learning.
E. Develop and maintain a 10-year action plan that includes appropriate experiences, skills, training and education required to attain stated career goal.

III. **COURSE CONTENT**

A. **Unit Titles/Suggested Time Schedule**

Lecture

Topics	Hours
1. Envisioning your future	2.00
2. Setting goals and creating plans	4.00
3. Career research	6.00
4. Budgeting for your envisioned lifestyle	5.00
5. Rubrics for making informed education, career, and life choices	4.00
6. Transitioning through post-secondary education into the workforce	4.00
7. Long-range plans for educational and training opportunities	8.00
8. Strategies for making career and life changes	3.00
9. Self-mastery skills and resiliency strategies	4.00
10. Connecting your education and career decisions with the planning process	4.00
11. Designing and maintaining your 10-year plan	7.00
Total Hours	51.00

IV. **METHODS OF INSTRUCTION**

A. Lecture
B. Group Discussions
C. Guest Speakers
D. Class Activities

E. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
F. Multimedia Presentations

V. METHODS OF EVALUATION

A. Portfolios
B. Projects
C. Homework
D. Class participation
E. Written Assignments
F. Final Project

VI. EXAMPLES OF ASSIGNMENTS

A. Reading Assignments
   1. Read the section in your text on the six E's of excellence, and prepare to share in class a person you know that embodies these traits.
   2. Read the chapter in your text on the traits of those who succeed, and prepare to present in class the characteristics of people you would like to hire if you were the manager of a company.

B. Writing Assignments
   1. Complete a one-page personal profile articulating your passions, work values, strengths, skills, aptitudes, and desired roles.
   2. Write a budget for the envisioned lifestyle using the template provided by your instructor.

C. Out-of-Class Assignments
   1. Complete an online inventory that details the skills you have and the skills you need to learn for your chosen career path. Submit a one-page summary of your findings.
   2. Using your skills inventory chart, develop an education plan for your career path. Prepare to share your plan during a small-group discussion in class.

VII. RECOMMENDED MATERIALS OF INSTRUCTION

Textbooks:

A. Bingham, Mindy. Career Choices and Changes: Workbook and Portfolio. 5th Edition. Academic Innovations, 2013.
B. Bingham, Mindy & Stryker, Sandy. Career Choices and Changes: Discover Who You Are, What You Want, and How to Get It. 5th Edition. Academic Innovations, 2013.

Materials Other Than Textbooks:

A. Online inventories that measure interests, personality, values, skills, learning styles, and lifestyle Instructor may decide to assign additional self-measurement tools outside of the course text/materials, as needed.
B. My10yearPlan.com® Interactive, Academic Innovations, 2012.

Created/Revised by: Brian Donnelly
Date: 10/31/2016

BUTTE COLLEGE
COURSE OUTLINE

I. **CATALOG DESCRIPTION**

ALH 104 - Medical Terminology **3 Unit(s)**

Transfer Status: NT
51 hours Lecture

This course explores the specialized language used within the medical profession. Emphasis is placed on the definition, pronunciation and spelling of medical terms with focus on building medical words using prefixes, word roots, suffixes and combining forms. To further advance a working knowledge of these terms, vocabulary is taught in relation to the basic anatomy, physiology and pathology of body systems.

II. **OBJECTIVES**

Upon successful completion of this course, the student will be able to:

A. Interpret the meaning of medical terms by analyzing the basic elements of the terms.
B. Classify medical terms in relation to basic anatomy, physiology, and pathology of body systems.
C. Identify medical terms correctly.
D. Pronounce medical terms correctly.

III. **COURSE CONTENT**

A. **Unit Titles/Suggested Time Schedule**

Lecture

Topics	Lec Hrs
1. Introduction of Medical Terminology	5.00
2. Body Structure	3.00
3. Integumentary (Skin and associated structures) System	3.00
4. Muscular System	2.00
5. Skeletal System	2.00
6. Cardiovascular System	4.00
7. Blood, Lymphatic and Immune Systems	4.00
8. Respiratory System	4.00
9. Digestive System	3.00
10. Urinary System	3.00
11. Reproductive System	3.00
12. Endocrine System	4.00
13. Nervous System	4.00
14. Special Senses	3.00
15. Pharmacology, Diagnostic Imaging, Surgery, Oncology	4.00
Total Hours	51.00

IV. METHODS OF INSTRUCTION

A. Multimedia Presentations
B. Lecture
C. Discussion
D. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
E. Reading Assignments

V. METHODS OF EVALUATION

A. Exams/Tests
B. Oral Presentation
C. Homework
D. Short papers
E. Multi-Media Presentations

VI. EXAMPLES OF ASSIGNMENTS

A. Reading Assignments
   1. Read about diagnostic imaging and be prepared to discuss terms regarding X-Ray procedures.
   2. Read the chapter about the respiratory system and be prepared to discuss root words and combining forms regarding the respiratory system.

B. Writing Assignments
   1. Write a one page paper about the anatomy of the respiratory system to include at least ten medical terms from the respiratory system chapter.
   2. Write a one page paper about heart disease, incorporating at least 15 medical terms introduced in the cardiovascular chapter.

C. Out-of-Class Assignments
   1. Read the medical record analysis at the end of the musculoskeletal chapter and be prepared to interpret the underlined terms.
   2. Find a media advertisement about a pharmaceutical product research its usage and be prepared to interpret medical terms within the ad.

VII. RECOMMENDED MATERIALS OF INSTRUCTION

Textbooks:

A. Fremgen, Bonnie. Medical Terminology, A Living Language. 6th Edition. Prentice Hall, 2015.

Materials Other Than Textbooks:

A. Visual aids, some provided by Butte College Allied Health Department.

Created/Revised by: Michael Smith
Date: 04/04/2016