RESEARCH & CURRICULUM UNIT
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SEC – Concepts of Agriscience Blueprints

This document contains the blueprints for the concentration areas in secondary Concepts of Agriscience.

Course Code(s)	Test Code	Program Name	Supplemental Materials/Notes
991000	10168Y1-2010	Concepts of Agriscience	

	Perkins Assessment 2016-17		Teacher Evaluation Pilot 2016-17			
Curriculum	Y1 Post-Test	Y2 Post-Test	Y1 Baseline	Y1 Post-Test	Y2 Baseline	Y2 Post-Test
Concepts of Agriscience	MS-CPAS2*	NA*	NA*	NA*	NA*	NA*

* These assessments are subject to change based on funding and policy changes/updates. Information for test coordinators will be disseminated on the ordering process for the national certification by the Research and Curriculum Unit at Mississippi State University.

MS-CPAS2 Blueprint Summary

Assessment: Concepts of Agriscience
Test Code: 10168Y1-2010
CIP Code: 019999
Course Codes: 991000
Type: CP

The MS-CPAS2 Blueprint Summary indicates the number of assessment questions related to each unit on the assessment and indicates the relative emphasis placed on each unit. All of the listed competencies will appear on the assessment, but because of the length of the assessment, not every competency will be equally represented in the assessment.

The MS-CPAS2 Blueprint Summary includes a variety of information, which is explained below:

Terms and Definitions	
Assessment:	This signifies the name of the assessment, which corresponds with the name of the pathway or program.
CIP Code:	Developed by the U.S. Department of Education's National Center for Education Statistics (NCES), CIP codes are a federal coding system utilized for assessment and reporting of fields of study and program completions activity tracking.
Test Code:	A unique code that serves to numerically identify a specific assessment
DOK Levels:	Based on Webb's Depth of Knowledge (DOK), this signifies the assessment item difficulty factor to be expected in each unit. The three levels are as follows: *1 = Recall and Reproduction, 2 = Skills and Concepts, 3 = Short-term Strategic Thinking* **Some postsecondary programs will not use DOK levels until the next revision.**
Instructional	The total number of hours assigned to a unit per the pathway's curriculum
Total Items:	The total number of items assigned to each unit on the assessment. It is calculated as follows: *(Unit Instructional Hours / Total Instructional Hours) * Total Active Items*
Active Items:	The number of items on the assessment that will be graded
Field-test Items:	The number of items that are being field-tested, or piloted, to determine their eligibility for inclusion as an Active Item on future assessments. These items are not graded and, thus, will not impact the student's final score.
Total Assessed Items:	The total number of items on the given assessment. It is calculated as follows: *Active Items + Field-test Items*

For more information regarding this MS-CPAS2 Blueprint Summary, please contact the Mississippi Assessment Center by phone at 1.866.901.7433 or by e-mail at helpdesk@rcu.msstate.edu.

Assessment: Concepts of Agriscience **Test Code:** 10168Y1-2010 **CIP Code:** 019999 **Total Hours:** 90	DOK Level(s)			Instructional Hours	Total Items
Unit 1: Not on CPAS					
Unit 2: Not on CPAS					
Unit 3: Not on CPAS					
Unit 4: Science of Agricultural Animals	1	2		25	22
1. Explore the animal agriculture industry and enterprises. 2. Investigate the anatomy and physiology of animals. 3. Describe important elements of digestion and nutrition in animals. 4. Examine the role of genetics and breeding in animal production.					
Unit 5: Science of Agricultural Plants	1	2		25	22
1. Explore the anatomical and physiological processes of plants. 2. Investigate common methods of plant reproduction. 3. Apply classification methods to plants. 4. Apply principles of plant nutrition. 5. Investigate the chemical properties of soils. 6. Explore basic concepts of pest management to include insect damage, weed damage, and diseases. 7. Explore the uses of a greenhouse.					
Unit 6: Science of Agricultural Environment	1	2		25	22
1. Examine the importance of different kinds of natural resources and their relationship to different kinds on ecology. 2. Explore principles of wildlife conservation. 3. Explore energy concervation and alternative energy sources. 4. Examine principles of waste management. 5. Explore forest management and prodution practices. 6. Demonstrate an understanding of the impact of soil as a natural resource. 7. Investigate the use of the land capability classification system.					
Unit 7: Science of Agricultural Mechanization	1	2		15	14
1. Examine the applications of mechanical technology in agriscience. 2. Explore basic principles of electricity. 3. Explore basic principles of plumbing systems.					
				Active Items	**80**
				Field-Test Items	**20**
				TOTAL ASSESSED ITEMS	**100**