

Blueprint for Instruction and Assessment



AgriScience

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Domain	Related Standards	Instructional Time
Domain 1 Science of Agriculture	STANDARD 1.0 EXAMINE THE NATURE, SCOPE, AND ROLE OF AGRICULTURE IN THE SOCIETY AND THE ECONOMY STANDARD 2.0 EXAMINE THE IMPACT OF TRENDS, TECHNOLOGIES, AND POLICIES ON AGRICULTURE STANDARD 3.0 EXAMINE THE USE OF SCIENTIFIC PROCESSES USED IN AGRICULTURE STANDARD 4.0 EXAMINE THE RELATIONSHIP OF THE ENVIRONMENT TO AGRICULTURE PRODUCTION AND SUSTAINABILITY STANDARD 6.0 EXAMINE CELL BIOLOGY, STRUCTURES, AND PROCESSES STANDARD 12.0 EXAMINE FOOD SAFETY AND PROCESSING PRACTICES STANDARD 16.0 EXAMINE TECHNOLOGY TOOLS AND SYSTEMS USED TO ACCESS, MANAGE, INTEGRATE, AND CREATE INFORMATION AND SOLVE PROBLEMS	35-45%
Domain 2 Plant and Animal Science	STANDARD 5.0 EXAMINE SOIL MANAGEMENT FOR PLANT AND ANIMAL PRODUCTION STANDARD 7.0 ANALYZE PLANT SCIENCE PRINCIPLES STANDARD 8.0 DEMONSTRATE CONCEPTS OF PLANT MANAGEMENT STANDARD 9.0 ANALYZE ANIMAL SCIENCE PRINCIPLES STANDARD 10.0 DEMONSTRATE CONCEPTS OF ANIMAL MANAGEMENT STANDARD 11.0 ANALYZE PRINCIPLES OF INTEGRATED PEST MANAGEMENT (IPM) IN PLANT AND ANIMAL SYSTEMS	35-45%
Domain 3 Agriculture Business	STANDARD 15.0 DEMONSTRATE AGRIBUSINESS MANAGEMENT, FINANCE, AND MARKETING SKILLS	10-20%
Domain 4 Agricultural Mechanics	STANDARD 13.0 APPLY PRACTICES AND PROCEDURES FOR PLANNING, BUILDING, AND MAINTAINING STRUCTURES STANDARD 14.0 DEMONSTRATE OPERATION OF TOOLS, EQUIPMENT, AND INSTRUMENTS	5-10%

Content domains are bodies of knowledge, skills, or abilities to be taught or assessed. They are clustered as related to technical standards for instruction. The suggested percentage of instructional time is listed for each domain. This blueprint corresponds with the Technical Standards endorsed on November 26, 2018.