

General Core Benchmarks				
Content Area	Standard	Standard Title	Benchmark	Description
Biotechnology	4	Basic Biotechnology Concepts	4.1	Define biotechnology, and describe key historical events in its development
Forestry	2	Safety	2.3	Use fire extinguisher
Forestry	2	Safety	2.4	Use first aid kit
Leadership and Career Development	1	Fundamentals of Leadership and Career Development	1.1	Identify and describe leadership styles
Leadership and Career Development	1	Fundamentals of Leadership and Career Development	1.2	Identify the factors in developing effective leaders
Leadership and Career Development	1	Fundamentals of Leadership and Career Development	1.3	Identify traits of effective leaders
Leadership and Career Development	1	Fundamentals of Leadership and Career Development	1.5	Describe changing trends in agriculture and how they affect career opportunities
Leadership and Career Development	1	Fundamentals of Leadership and Career Development	1.6	Identify transferable skills from one career pathway to another within agriculture
Leadership and Career Development	1	Fundamentals of Leadership and Career Development	1.7	Design a continuing education plan to assist someone to move up a career ladder in a particular pathway
Leadership and Career Development	2	Employability Skills	2.1	Research career information and resources for use in career decision making
Leadership and Career Development	2	Employability Skills	2.2	Compile a career portfolio including a resume and samples of highlighted projects, personal newspaper clippings, etc.
Leadership and Career Development	2	Employability Skills	2.3	Understand the necessity of continuing education and lifelong learning to enhance career ladder development
Leadership and Career Development	2	Employability Skills	2.4	Participate in a mock interview, including the completion of a sample application
Leadership and Career Development	3	Job Readiness and Retention Skills	3.1	Understand appropriate workplace attire and etiquette
Leadership and Career Development	3	Job Readiness and Retention Skills	3.2	Demonstrate ability to work successfully within a team atmosphere
Leadership and Career Development	3	Job Readiness and Retention Skills	3.3	Demonstrate problem solving techniques
Leadership and Career Development	3	Job Readiness and Retention Skills	3.4	Understand diversity and work effectively with all individuals
Leadership and Career Development	3	Job Readiness and Retention Skills	3.5	Work independently and be self motivated
Leadership and Career Development	3	Job Readiness and Retention Skills	3.6	Demonstrate conflict resolution techniques

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Leadership and Career Development	4	Citizenship	4.1	Identify and describe various community-based youth, civic and professional organizations
Leadership and Career Development	4	Citizenship	4.2	Participate in selected community-based youth, civic or professional organizations
Leadership and Career Development	4	Citizenship	4.3	Develop an understanding of the purpose, structure and function of governmental units at all levels
Leadership and Career Development	4	Citizenship	4.5	Identify the limits of local government and the impact of state and federal laws on local governments
Leadership and Career Development	5	The Purpose, Structure and Function of FFA	5.1	Identify the aims, purposes and structures of the FFA
Leadership and Career Development	5	The Purpose, Structure and Function of FFA	5.2	Explain FFA tradition and principles
Leadership and Career Development	5	The Purpose, Structure and Function of FFA	5.3	Describe the historical development of the FFA
Leadership and Career Development	5	The Purpose, Structure and Function of FFA	5.4	Participate in Career Development Events
Leadership and Career Development	6	Individual and Group Leadership	6.1	Demonstrate the ability to use parliamentary procedure
Leadership and Career Development	6	Individual and Group Leadership	6.2	Identify the key factors in building successful teams
Leadership and Career Development	6	Individual and Group Leadership	6.3	Conduct successful meetings
Leadership and Career Development	6	Individual and Group Leadership	6.4	Develop and implement an annual program of activities for the FFA chapter
Leadership and Career Development	6	Individual and Group Leadership	6.5	Analyze personal strengths and weaknesses
Leadership and Career Development	6	Individual and Group Leadership	6.6	Identify personality traits and how these affect relationships with others in the workplace
Leadership and Career Development	7	Communication and Public Speaking	7.1	Demonstrate effective communication skills, including oral, written, listening and questioning
Leadership and Career Development	7	Communication and Public Speaking	7.2	Create and deliver a prepared and extemporaneous speech demonstrating proper public speaking skills and etiquette
Leadership and Career Development	7	Communication and Public Speaking	7.4	Demonstrate basic journalism and writing skills
Leadership and Career Development	8	Information Research Skills	8.1	Conduct extensive research on a selected topic using a variety of sources

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Leadership and Career Development	9	Supervised Agricultural Experience	9.1	Develop short, mid- and long-term range project plans
Leadership and Career Development	9	Supervised Agricultural Experience	9.2	Develop a Supervised Agricultural Experience (SAE) based upon individual interests/career goals
Leadership and Career Development	9	Supervised Agricultural Experience	9.3	Maintain complete and accurate records
Leadership and Career Development	9	Supervised Agricultural Experience	9.4	Analyze records to determine strengths and areas for improvement
Management, Economics and Marketing	1	Impact of Agribusiness on the Economy	1.1	Discuss the historical significance of agriculture to U.S. and global economic strength
Management, Economics and Marketing	7	Accounting and Financial Systems	7.1	Maintain accurate business and financial records
Management, Economics and Marketing	9	Credit	9.3	Identify possible types and sources of credit
Natural Resource Management	1	Natural Resource Conservation and Preservation	1.2	Identify renewable and non-renewable natural resources
Natural Resource Management	7	Soils and Soil Conservation	7.2	Describe the major soil characteristics and how they affect soil usage
Natural Resource Management	8	Water	8.1	Explain the hydrologic cycle
Natural Resource Management	10	Land Use	10.1	Identify the various types of land uses
Plant and Soil Science	4	Botany and Physiology	4.1	Describe the process of photosynthesis, respiration, translocation and transpiration
Power Systems Technology	2	Safety	2.1	Demonstrate positive safety attitudes and responsibilities
Power Systems Technology	4	Tools, Equipment and Hardware	4.1	Identify, select, adjust, maintain and safely use common hand tools and power tools
Power Systems Technology	7	Machinery and Equipment Systems	7.1	Review service schedules and conduct procedures
Power Systems Technology	11	Environmental and Natural Resource Systems	11.3	Use global positioning systems, remote sensing and collection equipment for agricultural applications