

Indiana Academic Standards and Agricultural Education: Social Studies Standards

Standard Type	Standard	Example(s)	Resource(s)	Affiliated Organization(s)
Standard 1: History	4.1.2 Identify and describe historic Native American Indian groups that lived in Indiana at the time of early European exploration, including ways these groups adapted to and interacted with the physical environment.	Learn about the Native American "Three Sisters" agricultural technician and how this technique helped them successfully grow crops to eat.	Three Sisters Garden lesson and recommended read aloud: In The Three Sisters Garden by JoAnne Dennee	Indiana Farm Bureau Ag in the Classroom
Standard 1: History	4.1.6 Explain how key individuals and events influenced the early growth and development of Indiana.	Many of the members of the first Constitutional Convention of 1816 were farmers. Have students discuss and explain the importance of farmers participating in the establishment of Indiana.	List of Members of the Constitutional Convention of 1816	
Standard 1: History	4.1.8 Summarize the impact of Abraham Lincoln's presidency on Indiana and describe the participation of Indiana citizens in the Civil War.	Discover how Abraham Lincoln supported farmers during the civil war and how he established the United States Department of Agriculture during his presidency.	Abraham Lincoln Clears a Path: His Agricultural Legacy lesson	Indiana Farm Bureau Ag in the Classroom
Standard 1: History	4.1.9 Give examples of Indiana's increasing agricultural, industrial, political, and business development in the nineteenth century.	Summarize the passing of the Morrill Act of 1862 and with it the establishment of land grant universities like Purdue University (established in 1869) to teach agriculture and the establishment of the county extension program.	Purdue Extension website and Hoosier Times news article	Purdue Extension
Standard 1: History	4.1.11 Identify and describe important events and movements that changed life in Indiana in the early twentieth century.	Learn about the Indiana Federation of Farmers' Association (today's Indiana Farm Bureau) and the importance this organization had in helping farmers and legislation in Indiana during the nineteenth century.	100 Years of Indiana Farm Bureau timeline	Indiana Farm Bureau
Standard 1: History	4.1.12 Describe the transformation of Indiana through immigration and through developments in agriculture, industry, and transportation.	Discuss John Deere and how the development of his plow helped and changed the agriculture industry.	Read aloud: John Deere, That's Who! by Tracy Nelson Maurer and John Deere, That's Who! Educator Guide	Indiana Farm Bureau Ag in the Classroom
Standard 1: History	4.1.13 Identify and describe important events and movements that changed life in Indiana from the mid- twentieth century to the present.	Use a timeline to learn about the historical events in the Indiana Federation of Farmers' Association (today's Indiana Farm Bureau) that changed legislation and life for Hoosier farmers.	100 Years of Indiana Farm Bureau timeline	Indiana Farm Bureau
Standard 1: History	4.1.14 Research Indiana's modern growth emphasizing manufacturing, new technologies, transportation, and global connections.	Research Indiana's modern growth in the agriculture industry through precision agriculture and agriculture companies located in Indiana with global connections.	Precision Agriculture video Companies to research: Elanco Corteva	
Standard 1: History	4.1.15 Create and interpret timelines that show relationships among people, events, and movements in the history of Indiana.	Create a timeline that shows relationships among people, events, and movements in the agricultural history of Indiana.	100 Years of Indiana Farm Bureau Growing A Nation (interactive timeline showing the history of agriculture in the U.S.) Conner Prairie Indiana History	Conner Prairie and Indiana Farm Bureau
Standard 1: History	4.1.17 Construct a brief narrative about an event in Indiana history using primary and secondary sources.	Research an agricultural event in Indiana History and give a brief narrative about it.	100 Years of Indiana Farm Bureau Also reach out to your local county Farm Bureau for information on your county's agricultural history connections.	Indiana Farm Bureau
Standard 2: Civics and Government	4.2.1 Explain the major purposes of Indiana's Constitution, as stated in the Preamble.	Highlight Indiana's Constitution Article 8: Education and how on of the purposes of this Article is to support the knowledge and learning of agricultural improvement.	Indiana's Constitution	
Standard 2: Civics and Government	4.2.6 Define and provide examples of civic virtues in a democracy.	Use the book, <i>Lincoln Clears a Path: Abraham Lincoln's Agricultural Legacy</i> by Peggy Thomas and <i>The Clear a Path Project</i> to provide examples of civic virtues.	Lincoln Clears a Path: Abraham Lincoln's Agricultural Legacy by Peggy Thomas and The Clear a Path Project lesson plan	American Farm Bureau Foundation for Agriculture
Standard 2: Civics and Government	4.2.7 Use a variety of resources to take a position or recommend a course of action on a public issue relating to Indiana's past or present.	Choose a public issue about agriculture to take a position or recommend a course of action (ex: food waste, land management, livestock production, and technology).	Food Waste and Natural Resources lesson The Future of Farming & Agriculture video	Purdue Extension Education Store
Standard 3: Geography	4.3.1 Use latitude and longitude to identify physical and human features of Indiana.	Identify the physical features of Indiana and how each one influences the types of agriculture in each.		
Standard 3: Geography	4.3.4 Map and describe the physical regions of Indiana and identify major natural resources and agricultural/crop regions.	Recognize Indiana on a map of the "Corn Belt" region and learn about the significance of this region to the United States.	Corn an Amazing Plant: Food, Fuel, and Plastic lesson: Activity 1: A Brief History of Corn	Indiana Farm Bureau Ag in the Classroom
Standard 3: Geography	4.3.6 Describe Indiana's landforms (lithosphere), water features (hydrosphere), and plants and animals (biosphere).	Use the Indiana Ag Map to learn about the variety of farms and crops produced around the state.	Indiana Ag Map	Indiana Farm Bureau Ag in the Classroom
Standard 3: Geography	4.3.8 Identify the challenges in the physical landscape of Indiana to early settlers and to modern day economic development.	Identify the challenges early settlers and farmers faced in producing crops (examples: forests and soil erosion).		
Standard 3: Geography	4.3.9 Explain the importance of major transportation routes in the exploration, settlement and growth of Indiana and in the state's location as a crossroad of America.	Identify the pros and cons of different modes of transportation used in the early history of Indiana.	Conner Prairie in the Classroom Module 2: Navigation, Transportation, and Currency Part 2 - Transportation Questions and Activities	Conner Prairie
Standard 3: Geography	4.3.11 Examine Indiana's international relationships with states and regions in other parts of the world.	Identify Indiana's agricultural partnerships with other countries and the significance these have on Indiana's economy.		
Standard 3: Geography	4.3.13 Create maps of Indiana at different times in history showing regions and major physical and cultural features; give examples of how people in Indiana have modified their environment over time.	Give examples of how Indiana farmers have modified their environment and agricultural practices over time. Examples: Some farmers choose to use GMOs, no till practices, and crop rotation)	Why Do Farmers Use GMOs? High Tech Farming lesson: Activity 1: Agriculture Technology Timeline	
Standard 4: Economics	4.4.1 Give examples of the kinds of goods and services produced in Indiana in different historical periods.	Give examples of agricultural goods and services produced in Indiana.		
Standard 4: Economics	4.4.2 Define productivity and provide examples of how productivity has changed in Indiana during the past 100 years.	Define "precision agriculture" and give examples of how it has changed farming in Indiana during the past 100 years.	High Tech Farming lesson	Indiana Farm Bureau Ag in the Classroom
Standard 4: Economics	4.4.3 Explain how both parties can benefit from trade and give examples of how people in Indiana engaged in trade in different time periods.	Learn about different forms of currency in Indiana history at Conner Prairie.	Part 3 - Currency Questions and Suggested Activities Conner Prairie in the Classroom Module 2: Navigation, Transportation, and Currency	Conner Prairie
Standard 4: Economics	4.4.4 Explain that prices change as a result of changes in supply and demand for specific products.	Work with students to understand supply and demand with different agricultural commodities (examples: dairy, eggs, crops).	Supply and Demand lesson: "What If" statements activity.	Indiana Farm Bureau Ag in the Classroom
Standard 4: Economics	4.4.5 Describe Indiana's global connections.	Identify Elanco Animal Health Incorporated as a world leader in developing products and solutions for pet and livestock health.	Elanco website	Elanco
Standard 4: Economics	4.4.6 List the functions of money and compare and contrast things that have been used as money in the past in Indiana, the United States, and the world.	Identify different agricultural commodities and services that have been used for money, trade, and bartering throughout history.	Bartering Through the Seasons lesson Suggested read aloud: A New Coat for Anna by Harriet Ziefert	Indiana Farm Bureau Ag in the Classroom
Standard 4: Economics	4.4.7 Identify entrepreneurs who have influenced Indiana and the local community.	John Deere helped Indiana farmers by creating his steel plow.	John Deere That's Who! lesson	Indiana Farm Bureau Ag in the Classroom
Standard 4: Economics	4.4.8 Define profit and describe how profit is an incentive for entrepreneurs.	Create and design an Agritourism experience as a class or in small groups for students to learn about being an entrepreneur and earning a profit.	Agritourism: Extreme Farm Makeover project	Indiana Farm Bureau Ag in the Classroom
Standard 4: Economics	4.4.10 Explain how people save, develop a savings plan, and create a budget in order to make a future purchase.	Use Farmers and ranchers as examples of people who develop a savings plan and create a budget to purchase land, equipment and livestock.		