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# Illinois Ag Lesson Plans – July 19, 2021

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## *Current Number of Illinois Ag Lesson Plans*

<b>TOTAL.....</b>	<b>847</b>
Ag, Food, and Natural Resources – FFA, SAE, Leadership .....	53
Ag Power, Structural & Technical Systems .....	82
Agribusiness.....	87
Animal Science 5E .....	36
Animals, Plants & Soils.....	160
Biological Science in Ag.....	75
Biotechnology .....	45
Horticulture 5E .....	99
Natural Resources.....	114
Physical Science in Ag.....	68
Plant Science 5E.....	28

# Illinois Ag Lesson Plans – July 19, 2021

Lesson Number	Lesson Title	Publication Date
<b>Ag, Food, and Natural Resources – FFA, SAE, Leadership</b>		
A1-1	Nature and Importance of the Agriculture, Food, and Natural Resources Industry	* 10/21/2015
A1-2	History of U.S. Agriculture Up to the 20th Century	* 10/21/2015
A1-3	History of U.S. Agriculture from the 20th Century to Today	* 10/21/2015
A1-4	Agricultural Commodities in the United States	* 10/21/2015
A1-5	Trends in Consumer Preference	* 10/21/2015
A1-6	Government Agencies and Private Organizations in the Agriculture, Food, and Natural Resources Industry	* 11/13/2015
A1-7	Agriculture's Impact on the World Economy	* 11/13/2015
A1-8	World Food Supply	* 11/13/2015
B1-1	History of Agricultural Education and Student Organizations	* 07/28/2015
B1-2	FFA Mission, Motto, and Creed	* 07/28/2015
B1-3	FFA Colors, Emblem, and Official Dress	* 10/21/2015
B2-1	FFA Membership, Ethics, Degrees, and Awards	* 10/21/2015
B2-2	Opportunities in FFA	* 11/13/2015
B2-3	FFA Career Development Events	* 11/13/2015
B2-4	FFA Chapter Leadership	* 11/13/2015
B2-5	Community Development Through FFA	* 11/13/2015
B3-1	Conducting Effective Chapter Meetings	* 10/21/2015
B3-2	Parliamentary Law	* 10/21/2015
C1-1	Understanding Benefits of an SAE Program	* 07/08/2015
C1-2	Selecting Your SAE Program	* 07/08/2015
C1-3	Getting Started with Your SAE Program	* 10/21/2015
C1-4	Maintaining Your SAE Program	* 10/21/2015
C1-5	Year-End Closing of SAE Records	* 10/21/2015
D1-1	Introduction to Communication	* 07/08/2015
D1-2	Effective Communication Techniques	* 07/08/2015
D2-1	Written Communication	* 07/08/2015
D2-2	Print-Media News Releases and Advertisements	* 07/28/2015
D3-1	Effective Listening Techniques	* 10/21/2015
D3-2	Oral Communication	* 10/21/2015
D3-3	Public Speaking	* 10/21/2015
D3-4	Preparing a Speech	* 10/21/2015
D3-5	Effective Prepared Speaking Techniques	* 10/21/2015
D3-6	Debating Current Agriculture Issues	* 11/13/2015
E1-1	Assessing Career Interests	* 07/08/2015
E1-2	Education and Skills	* 07/08/2015
E1-3	Pay and Benefits	* 10/21/2015

Lesson Number	Lesson Title	Publication Date
E1-4	Exploring Careers in Agriculture, Food, and Natural Resources	* 11/13/2015
E2-1	Searching for a Job	* 10/21/2015
E2-2	Developing a Résumé	* 10/21/2015
E2-3	Applying for a Job	* 10/21/2015
E2-4	Succeeding in a Job Interview	* 10/21/2015
E2-5	Job Interview Follow-up	* 10/21/2015
F1-1	Personality and Leadership Styles	* 11/13/2015
F1-2	Developing and Achieving Goals	* 11/13/2015
F1-3	Professional and Personal Etiquette	* 11/13/2015
F2-1	Skills for Success in all Careers	* 07/08/2015
F2-2	Workplace Communication	* 07/08/2015
F2-3	Teamwork	* 07/08/2015
F2-4	Ethics in the Workplace	* 07/08/2015
F2-5	Diversity in the Workforce	* 07/08/2015
F2-6	Problem Solving	* 07/08/2015
F2-7	Embracing Change	* 07/08/2015
F2-8	Conflict and Resolution	* 07/08/2015

Lesson Number	Lesson Title	Publication Date
<b>Ag Power, Structural &amp; Technical Systems</b>		
A1-1	Power, Structural, and Technical Systems	* 06/03/2015
A1-2	Safety in Power, Structural, and Technical Systems	* 06/03/2015
A1-3	Measurements in Power, Structural, and Technical Systems	* 06/03/2015
B1-1	Principles of Operation of Internal Combustion Engines	* 06/25/2015
B1-2	Engine Systems and Their Components	* 07/17/2015
B1-3	Measuring Engine Components and Specifications	* 07/17/2015
B1-4	Small Engines	* 07/17/2015
B1-5	Multiple-Cylinder Engines	* 07/17/2015
B1-6	Fuels	* 07/17/2015
B1-7	Lubricants	* 07/17/2015
B1-8	Coolants	* 08/11/2015
B2-1	Hydraulic Systems	* 08/11/2015
B2-2	Pneumatic Systems	* 08/11/2015
B2-3	Power Transmission	* 08/11/2015
B2-4	Power Transfer	* 08/11/2015
B2-5	Vehicle HVAC Systems	* 08/11/2015
B2-6	Vehicle Performance	* 08/11/2015
C1-1	Land Measurement and Legal Descriptions	* 06/03/2015

\*An E-unit is available for this lesson plan.

NOTE: Lessons shown in *italics* have been added since the prior publication of this list.

Lesson Number	Lesson Title	Publication Date
C1-2	Surveying Equipment	* 06/03/2015
C1-3	Profile Leveling	* 06/25/2015
C1-4	Differential Leveling	* 06/25/2015
C2-1	Measuring and Layout Tools	* 06/03/2015
C2-2	Holding Tools	* 09/17/2015
C2-3	Saws	* 06/03/2015
C2-4	Carving, Scraping, Shaping, and Boring Tools	* 06/03/2015
C2-5	Driving, Striking, and Wrecking Tools	* 06/03/2015
C2-6	Turning Tools	* 06/03/2015
C2-7	Power Tools	* 06/03/2015
C2-8	Hand Tool Reconditioning	* 06/25/2015
C2-9	Power Tool Maintenance	* 06/25/2015
C2-10	Fasteners and Fastener Application	* 06/25/2015
C2-11	Lumber Selection	* 06/25/2015
C2-12	Surface Preparation and Paint/Preservative Selection	* 06/25/2015
C2-13	Finishes	* 06/25/2015
C2-14	Carpentry Project Design and Cost Estimates	* 09/17/2015
C3-1	Concrete Components and Tools	* 09/17/2015
C3-2	Placing and Finishing Concrete	* 09/17/2015
C3-3	Concrete Block	* 09/17/2015
C4-1	Building Codes	* 06/03/2015
C4-2	Framing	* 07/17/2015
C4-3	Roofing	* 06/03/2015
C4-4	Siding	* 06/25/2015
C4-5	Insulating	* 09/17/2015
C4-6	Panels and Film	* 06/25/2015
C4-7	Fencing	* 06/25/2015
C4-8	Agricultural Structures Project Design and Cost Estimates	* 06/25/2015
C5-1	Plumbing Systems Design	* 06/03/2015
C5-2	Galvanized Pipe	* 06/03/2015
C5-3	Copper Tubing	* 06/03/2015
C5-4	Plastic Pipe	* 06/03/2015
C5-5	Plumbing Systems Repair and Maintenance	* 06/03/2015
C6-1	The Science of Electricity	* 07/17/2015
C6-2	Electricity: Measurement and Calculation	* 09/17/2015
C6-3	Providing Electrical Service	* 09/17/2015
C6-4	Electrical Circuits	* 09/17/2015
C6-5	Electrical Tools and Equipment	* 09/17/2015
C6-6	Circuit Diagrams and Schematics	* 09/17/2015
C6-7	Wiring Circuits	* 09/17/2015
C6-8	Electric Motors and Controls	* 09/17/2015
C7-1	Metals and Their Physical Properties	* 06/25/2015
C7-2	Tools for Cold Metalworking	* 06/25/2015
C7-3	Cold Metalworking Techniques	* 06/25/2015
C7-4	Heat Treating Processes	* 06/25/2015
C7-5	Hot Metal Cutting Processes and Techniques	* 06/25/2015
C7-6	Fuel Gas Welding (FGW) Processes and Techniques	* 06/25/2015
C7-7	Shielded Metal Arc Welding (SMAW) Techniques	* 06/25/2015
C7-8	Metal Inert Gas (MIG) Welding Techniques	* 06/25/2015
C7-9	Tungsten Inert Gas (TIG) Welding Techniques	* 06/25/2015

Lesson Number	Lesson Title	Publication Date
D1-1	Electronics	* 06/03/2015
D1-2	Precision Technologies	* 06/03/2015
D1-3	Monitoring Systems	* 06/03/2015
D1-4	Remote Sensing Technology	* 06/25/2015
D1-5	Geographic Information Systems	* 07/17/2015
D1-6	Robotics Systems	* 07/17/2015
E1-1	Tillage Systems	* 06/03/2015
E1-2	Planting Systems	* 06/03/2015
E1-3	Irrigation Systems	* 06/03/2015
E1-4	Sprayer Systems	* 06/03/2015
E1-5	Grain Harvesting and Handling Systems	* 06/25/2015
E1-6	Forage Harvesting and Handling Systems	* 06/25/2015
E1-7	Feed Handling Systems	* 07/17/2015
E1-8	Animal Waste Management Systems	* 06/03/2015

Lesson Number	Lesson Title	Publication Date
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### Agribusiness

A1-1	The Scope and Importance of Agribusiness	* 05/19/2009
A1-2	Agribusiness Career Opportunities	* 05/19/2009
B1-1	Sole Proprietorships	* 05/19/2009
B1-2	Partnerships	* 05/19/2009
B1-3	Corporations	* 05/19/2009
B1-4	The Governance and Operations of a Corporation	* 05/19/2009
B1-5	Cooperatives	* 05/19/2009
B1-6	The Governance and Operations of a Cooperative	* 05/19/2009
B1-7	Cooperatives as Unique Corporations	* 05/19/2009
B1-8	Franchises	* 05/19/2009
B2-1	Entrepreneurship	* 05/19/2009
B2-2	Determining the Types of Agribusinesses	* 05/19/2009
B2-3	Establishing an Agribusiness	* 05/19/2009
B2-4	Successfully Starting an Agribusiness	* 05/19/2009
B2-5	Preparing a Business Plan	* 05/19/2009
B3-1	Business Management	* 05/19/2009
B3-2	Identifying Sources of Business Risk	* 05/21/2009
B3-3	Insuring the Agribusiness	* 05/19/2009
B3-4	Hiring and Managing Employees	* 05/19/2009
B3-5	Providing Benefits and Professional Incentives for Employees	* 05/19/2009
B3-6	Employment Legislation	* 05/19/2009
B3-7	Managing Human Resource Risk	* 05/19/2009
B3-8	Distributing and Transporting Products	* 05/21/2009
B4-1	The Time Value of Money	* 05/19/2009
B4-2	The Concept of Borrowing Money	* 05/19/2009
B4-3	Evaluating Sources of Credit	* 05/19/2009
B4-4	Calculating the Cost of Credit	* 05/19/2009
B5-1	Personal Finances and Goals	* 05/19/2009
B5-2	Financial Investments	* 06/18/2009
B5-3	Life Insurance	* 05/19/2009
B5-4	Health Insurance	* 06/18/2009

Lesson Number	Lesson Title	Publication Date
B5-5	Vehicle Insurance	* 05/19/2009
B5-6	Property Insurance	* 05/21/2009
B6-1	Record Keeping	* 05/19/2009
B6-2	Assets and Liabilities	* 05/19/2009
B6-3	Calculating Net Worth	* 05/19/2009
B6-4	Developing an Income Statement	* 05/21/2009
B6-5	Developing a Statement of Cash Flows	* 05/21/2009
B6-6	Developing and Analyzing Budgets	* 05/19/2009
B6-7	Managing Financial Risk	* 05/21/2009
B6-8	Maintaining an Inventory of Assets	* 05/21/2009
B6-9	Maintaining Inventory Records	* 05/19/2009
B6-10	Calculating Depreciation	* 05/19/2009
B7-1	Analyzing the United States Tax System	* 05/19/2009
B7-2	Federal and State Income Taxes	* 05/19/2009
B7-3	Property Taxes	* 05/19/2009
B7-4	Sales Tax	* 05/21/2009
B8-1	Types of Markets	* 06/18/2009
B8-2	Marketing Agricultural Products and Services	* 05/19/2009
B8-3	Developing a Marketing Plan	* 05/19/2009
B8-4	Pricing Agricultural Products and Services	* 05/19/2009
B8-5	Advertising and Promoting Products and Services	* 05/19/2009
B8-6	Packaging and Labeling Products	* 05/19/2009
B8-7	Displaying Products	* 05/19/2009
B8-8	The Consumer and Analyzing Buying Trends	* 05/19/2009
B8-9	Relating and Dealing with Customers	* 05/19/2009
B8-10	Selling Agricultural Products and Services	* 06/18/2009
B8-11	Using the Six-Step Selling Process	* 06/18/2009
B8-12	Apply E-Commerce in the Agribusiness	* 06/18/2009
B9-1	Introduction to Commodity Trading	* 06/18/2009
B9-2	Commodity Exchanges and Trade Centers	* 06/18/2009
B9-3	The Futures Market	* 06/18/2009
B9-4	Hedging	* 06/18/2009
B9-5	Options	* 06/18/2009
B9-6	Applying Trading Techniques	* 06/18/2009
B9-7	Fundamental and Technical Analysis	* 06/18/2009
C1-1	Agribusiness in a Free Enterprise System	* 05/19/2009
C1-2	The Basics of Economics	* 05/19/2009
C1-3	Macroeconomics	* 05/19/2009
C1-4	Choice	* 05/21/2009
C1-5	Supply and Demand	* 05/19/2009
C1-6	Elasticity	* 05/19/2009
C1-7	Law of Diminishing Returns	* 05/19/2009
C1-8	Property Value and Appraisal	* 05/19/2009
D1-1	The International Economy	* 06/18/2009
D1-2	Exporting and Importing Agricultural Products	* 06/18/2009
D1-3	Trade Agreements and Barriers	* 06/18/2009
E1-1	Agricultural Law	* 06/24/2009
E1-2	Contracts	* 06/24/2009
E1-3	Criminal Law	* 06/24/2009

Lesson Number	Lesson Title	Publication Date
E1-4	Deeds and Land Ownership	* 06/24/2009
E1-5	Leases and Leasing	* 06/24/2009
E1-6	Ownership Rights and Responsibilities	* 06/24/2009
E1-7	Fence Laws	* 06/24/2009
E1-8	Estate Planning	* 06/24/2009
E1-9	Intellectual Property	* 05/19/2009
E1-10	Choosing an Attorney	* 06/24/2009

Lesson Number	Lesson Title	Publication Date
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### Animal Science 5E

A1-1	<i>Cellular Biology</i>	* 01/31/2018
A1-2	<i>Tissue Types and Functions</i>	* 10/25/2018
A1-3	<i>Skeletal System Structures</i>	* 10/25/2018
A1-4	<i>Muscular System Structures</i>	* 10/25/2018
A1-5	<i>Immune System Structures</i>	* 01/29/2019
A1-6	<i>Circulatory System Structures</i>	* 01/29/2019
A1-7	<i>Respiratory System Structures</i>	* 01/29/2019
A1-8	<i>Nervous System Structures</i>	* 01/29/2019
A1-9	<i>Renal System Structures</i>	* 01/29/2019
A1-10	<i>Integumentary System Structures</i>	* 02/07/2019
A2-1	<i>Embryology</i>	* 10/25/2018
A2-2	<i>Growth and Development</i>	* 10/25/2018
A2-3	<i>Growth Promotants</i>	* 01/29/2019
A3-1	<i>Dietary Nutrients</i>	* 10/25/2018
A3-2	<i>Digestive System Structures and Processes</i>	* 01/29/2019
A3-3	<i>Cellular Respiration</i>	* 01/29/2019
B1-1	<i>Nucleic Acid Structure and Function</i>	* 08/31/2018
B1-2	<i>Heredity</i>	* 08/31/2018
B1-3	<i>Evolution and Animal Domestication</i>	* 08/31/2018
B1-4	<i>Recombinant DNA Technology</i>	* 08/31/2018
B2-1	<i>Reproductive Systems and Processes</i>	* 10/25/2018
B2-2	<i>Reproductive Technologies</i>	* 01/29/2019
C1-1	<i>Animal Behaviors</i>	* 10/25/2018
C1-2	<i>Animal Welfare</i>	* 08/31/2018
C2-1	<i>Feedstuffs and Feeding Methods</i>	* 10/25/2018
C2-2	<i>Balancing Animal Feed Rations</i>	* 01/29/2019
C3-1	<i>Pathology</i>	* 03/29/2019
C3-2	<i>Parasitology</i>	* 05/01/2019
C3-3	<i>Noninfectious Diseases</i>	* 05/29/2019
C4-1	<i>Animal Health</i>	* 02/07/2019
C4-2	<i>Disease Diagnosis and Management</i>	* 02/21/2019
C4-3	<i>Administering Medical Care</i>	* 03/27/2019
D1-1	<i>Sustainable Animal-Production Practices</i>	* 01/29/2019
D1-2	<i>Animal Waste Management</i>	* 02/07/2019
D2-1	<i>Population Ecology</i>	* 04/26/2017
D2-2	<i>Biodiversity</i>	* 04/26/2017

Lesson Number	Lesson Title	Publication Date
<b>Animals, Plants &amp; Soils</b>		
A1-1	Research Methods in Agriculture	* 05/22/2008
A1-2	Designing and Conducting Agricultural Research	* 05/22/2008
A1-3	Reporting Agricultural Research	* 07/01/2008
A1-4	Agriscience Fair Projects	* 07/01/2008
A1-5	Scientific Measurement	* 07/01/2008
A1-6	Safety in the Laboratory	* 04/26/2007
A1-7	Laboratory Tools and Equipment	* 05/22/2008
A1-8	Using the Microscope	* 06/10/2008
A1-9	Where Accidents Occur and Agencies Associated with Workplace Safety	* 06/10/2008
A1-10	Why Accidents Occur and How to Prevent Them	* 06/10/2008
A1-11	Problem Solving	* 06/10/2008
B1-1	Classifying Living Things	* 07/01/2008
B2-1	Cells	* 05/22/2008
B2-2	Cell Division	* 05/22/2008
B2-3	Genetics	* 05/22/2008
B2-4	Heritability of Traits	* 05/22/2008
B2-5	Improving Agricultural Plants and Animals	* 05/22/2008
B2-6	Organismic and Molecular Biotechnology	* 05/22/2008
B2-7	Advantages and Disadvantages of Agricultural Biotechnology	* 05/22/2008
B2-8	Career Opportunities in Agricultural Biotechnology	* 05/22/2008
C1-1	The Animal Science Industry	* 05/22/2008
C1-2	How Animals and Animal Products Are Used by Humans	* 05/22/2008
C1-3	Animal Welfare Issues	* 05/22/2008
C2-1	Classifying Animals	* 05/22/2008
C2-2	Anatomy of Animals	* 05/22/2008
C2-3	The Skeletal System	* 05/22/2008
C2-4	The Integumentary, Muscular, and Urinary Systems	* 05/22/2008
C2-5	The Endocrine and Nervous Systems	* 05/22/2008
C2-6	The Circulatory and Respiratory Systems	* 05/22/2008
C3-1	Nutrients and Their Importance to Animals	* 07/01/2008
C3-2	Animal Digestion	* 07/01/2008
C3-3	Major Parts of the Digestive System	* 07/01/2008
C3-4	Nutritional Needs of Animals	* 07/01/2008
C3-5	Feedstuffs	* 07/01/2008
C3-6	Balancing Animal Feed Rations	* 07/01/2008
C4-1	Anatomy and Physiology of Animal Reproductive Systems	* 05/22/2008
C4-2	Natural Animal Reproduction	* 05/22/2008
C4-3	Animal Reproduction Management	* 05/22/2008
C4-4	Animal Reproduction Technology	* 05/22/2008
C4-5	Lactation	* 05/22/2008
C5-1	Evaluating Animal Health	* 07/01/2008
C5-2	Types of Animal Diseases and Immunity	* 07/01/2008
C5-3	Classifying Animal Medications	* 07/01/2008
C5-4	Administering Medication and Care	* 07/01/2008
C5-5	Veterinary Math	* 07/01/2008

Lesson Number	Lesson Title	Publication Date
C5-6	Impact of Parasites on Animal Health	* 07/01/2008
C5-7	Disease Control and Management Practices	* 07/01/2008
C5-8	Managing Animal Health	* 07/01/2008
C5-9	Veterinary Terminology	* 07/01/2008
C5-10	Animal Behavior	* 07/01/2008
C5-11	Veterinary Medicine and Vet Tech Careers	* 07/01/2008
C6-1	Red Meat Harvesting Methods	* 07/01/2008
C6-2	Meat Product Quality	* 07/01/2008
C7-1	The Beef Industry	* 05/22/2008
C7-2	Types of Beef Cattle Operations	* 05/22/2008
C7-3	The Dairy Industry	* 05/22/2008
C7-4	Feeding and Managing Dairy Cattle	* 07/01/2008
C7-5	Processing Dairy Products	* 07/01/2008
C7-6	The Swine Industry	* 05/22/2008
C7-7	The Stages of Pork Production	* 07/01/2008
C7-8	The Sheep and Goat Industry	* 06/10/2008
C7-9	Feeding and Managing Sheep and Goats	* 07/01/2008
C7-10	The Poultry Industry	* 06/10/2008
C7-11	Chicken Production	* 07/01/2008
C7-12	Feeding and Managing Chickens	* 07/01/2008
C7-13	The Equine Industry	* 06/10/2008
C7-14	Feeding and Managing Equine	* 07/01/2008
C7-15	The Rabbit Industry	* 06/10/2008
C7-16	The Exotic Animal Industry	* 06/10/2008
C7-17	Utilizing Data and Technology to Improve Animal Quality	* 07/01/2008
C7-18	Managing Animal Waste	* 06/10/2008
C7-19	Consumer Preferences in Animal Production	* 06/10/2008
C7-20	Present and Future Trends in the Animal Science Industry	* 06/10/2008
C7-21	Fitting and Showing Livestock and Poultry: Part 1	* 07/01/2008
C7-22	The Bee Industry	* 06/10/2008
C7-23	Fitting and Showing Livestock and Poultry: Part 2	* 07/01/2008
C8-1	The Companion Animal Industry	* 06/10/2008
C8-2	Cats	* 06/10/2008
C8-3	Dogs	* 07/01/2008
C8-4	Feeding and Caring for Cats and Dogs	* 06/10/2008
C8-5	Ornamental Fish	* 06/10/2008
C8-6	Birds, Rodents, Reptiles, and Other Animals	* 06/10/2008
C8-7	Safety Animals, Service Animals, and Research Animals	* 06/10/2008
C9-1	The Aquaculture Industry	* 05/22/2008
C10-1	Career Opportunities in the Animal Science Industry	* 07/01/2008
D1-1	The Nature of Soil	* 05/22/2008
D1-2	Soil Formation	* 05/22/2008
D1-3	Soil Profile	* 06/10/2008
D1-4	Soil Color	* 06/10/2008
D1-5	Soil Texture and Structure	* 06/10/2008
D1-6	Moisture-Holding Capacity of Soil	* 06/10/2008
D1-7	Land Capability Classifications	* 06/10/2008
D1-8	USDA Soil Taxonomy System	* 06/10/2008

Lesson Number	Lesson Title	Publication Date
D2-1	Soil Degradation	* 06/10/2008
D2-2	Soil Erosion	* 06/10/2008
D2-3	Calculating Soil Loss	* 06/10/2008
D2-4	Conservation Tillage Practices	* 06/10/2008
D3-1	Soil Nutrient Functions	* 06/10/2008
D3-2	Soil Chemistry	* 06/10/2008
D3-3	Fertilizer Formulations	* 06/10/2008
D3-4	Applying Fertilizers	* 06/10/2008
D3-5	Characteristics and Sources of Nitrogen	* 06/10/2008
D3-6	Characteristics and Sources of Phosphorus and Potassium	* 06/10/2008
D3-7	Characteristics and Sources of Secondary Nutrients and Micronutrients	* 06/10/2008
E1-1	The Importance of Plant Science	* 06/10/2008
E1-2	Classifying and Naming Plants	* 06/10/2008
E2-1	Root Anatomy	* 06/10/2008
E2-2	Stem Anatomy	* 06/10/2008
E2-3	Leaf Anatomy and Morphology	* 06/10/2008
E2-4	Flower Anatomy	* 06/10/2008
E2-5	Fruit Function and Anatomy	* 06/10/2008
E3-1	Propagating Plants Sexually	* 06/10/2008
E3-2	Propagating Plants Asexually	* 06/10/2008
E3-3	Plant-Breeding Techniques	* 06/10/2008
E4-1	Seed Germination Processes and Requirements	* 06/10/2008
E4-2	Plant Internal Structure and Growth	* 06/10/2008
E4-3	Photosynthesis	* 06/10/2008
E4-4	The Role of Light in Plant Growth	* 06/10/2008
E4-5	Cellular Respiration	* 06/10/2008
E4-6	The Influence of Temperature on Plants	* 06/10/2008
E4-7	The Significance of Air in Plant Growth	* 06/10/2008
E4-8	The Importance of Water in Plant Growth	* 06/10/2008
E4-9	Drainage	* 06/10/2008
E4-10	Irrigation	* 06/10/2008
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B4-4	Performing Electrophoresis	*	07/23/2010
B4-5	Working with DNA and RNA	*	07/23/2010
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C4-1	Applying Biotechnology to Bioremediation	*	07/23/2010
C4-2	Using Microorganisms to Treat Human and Animal Wastes	*	07/23/2010
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A1-4	Exploring Career Opportunities in Horticulture	* 05/15/2007
A1-5	Practicing Horticulture Safety	* 05/15/2007
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A2-2	Understanding Root Anatomy	* 05/15/2007
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A2-5	Understanding Flower Anatomy	* 05/15/2007
A2-6	Understanding Plant Physiology	* 05/15/2007
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A2-8	Understanding Plant Growth Regulators	* 05/15/2007
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A3-3	Propagating Plants by Cuttings	* 05/15/2007
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A4-2	Understanding Growing Media Components	* 05/15/2007
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A4-10	Understanding Soil Erosion and Management Practices	* 05/15/2007
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A5-4	Interpreting Pesticide Labels	* 05/15/2007
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A5-8	Identifying and Managing Plant Pests in the Landscape	* 05/15/2007
A5-9	Identifying and Managing Plant Pests in Fruits and Vegetables	* 05/15/2007
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A6-2	Growing Crops by Hydroponics	* 05/15/2007
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B1-2	Controlling the Greenhouse Climate	* 05/15/2007
B1-3	Using Automated Systems in the Greenhouse	* 05/15/2007
B2-1	Growing Poinsettias	* 05/15/2007
B2-2	Growing Potted Chrysanthemums	* 05/15/2007
B2-3	Growing Minor Potted Flowering Crops	* 05/15/2007
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B2-5	Growing and Forcing Spring Flowering Bulbs	* 06/26/2007
B2-6	Growing Foliage Plants	* 06/26/2007
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B3-4	Understanding the Principles of Floral Design	* 06/26/2007
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B3-10	Designing Holiday Arrangements	* 06/26/2007
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B3-12	Designing Sympathy Arrangements	* 06/26/2007
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C1-3	Packaging Nursery Crops	* 06/26/2007
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C2-3	Beginning the Design Process	* 06/26/2007
C2-4	Applying the Principles of Art to the Landscape	* 06/26/2007
C2-8	Pricing the Landscape Plan	* 07/15/2007
C2-9	Managing the Landscape Business	* 07/15/2007
C3-1	Preparing the Landscape Site	* 07/15/2007
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C4-3	Managing Turfgrass	*	07/15/2007
C4-4	Managing Pests and Diseases in Turfgrass	*	07/15/2007
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C5-1	Watering, Fertilizing, and Mulching Woody Landscape Plants	*	07/15/2007
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C5-3	Pricing Landscape Maintenance Work	*	07/15/2007
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C6-2	Planting and Maintaining a Vegetable Garden	*	08/13/2007
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C6-5	Growing and Maintaining Tree Fruits	*	08/13/2007
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D1-1	<i>Growing Media Properties</i>	* 10/31/2019
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D1-5	<i>Soil Moisture and Water Quality</i>	* 10/31/2019
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E2-1	Greenhouse Pests and Diseases	* 10/31/2019
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E2-3	Turfgrass Pests and Diseases	* 10/31/2019
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F2-5	Spring Flowering Bulbs	* 09/18/2019
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F3-1	Hydroponics	* 02/19/2019
F3-2	Hydroponic Crop Production	* 10/31/2019
F4-1	The International Floral Market	* 02/19/2019
F4-2	Fresh-Cut Flower and Foliage Care	* 07/22/2019
F4-3	Floral Design Tools and Supplies	* 07/22/2019
F4-4	Principles of Floral Design	* 08/08/2019
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F4-10	Holiday Arrangements	* 09/25/2019
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