

Introduction to Homestead Science

Scope and Sequence

Chapter 1-Starting a Homestead

Unit 1 Building & the Land

- Lesson 1 - Owning Land
- Lesson 2 - Homestead Styles
- Lesson 3 - Land & Water
- Lesson 4 - Fences
- Lesson 5 - Homestead Buildings
- Lesson 6 - Tools & Hardware
- Lesson 7 - Building & Repairs
- Lesson 8 - Structure

Unit 2 - Tractors & Small Engines

- Lesson 1 - History of Farm Equipment
- Lesson 2 - Hand Tools
- Lesson 3 - Tractors & Implements
- Lesson 4 - Power Tools
- Lesson 5 - Small Engine Anatomy
- Lesson 6 - Preventative Maintenance
- Lesson 7 - Starting & Running Small Engines
- Lesson 8 - Troubleshooting & Repairs

Chapter 2 - Animals on the Homestead

Unit 3 - Poultry

- Lesson 1 - History of Poultry
- Lesson 2 - Getting Familiar with Poultry
- Lesson 3 - Types and Breeds
- Lesson 4 - Poultry Anatomy
- Lesson 5 - Poultry Husbandry
- Lesson 6 - Poultry Behavior & Management
- Lesson 7 - Poultry Uses
- Lesson 8 - Time for Birds

Unit 4 - Companion Animals & Predators

- Lesson 1 - What are Companion Animals
- Lesson 2 - Anatomy of a Canine
- Lesson 3 - Care and Training
- Lesson 4 - Health and Disease
- Lesson 5 - Livestock Guardian Animals
- Lesson 6 - Types of Predators
- Lesson 7 - Depredation
- Lesson 8 - Planning Depredation

Unit 5 - Dairy & Fiber Animals

- Lesson 1 - What is Dairy and Fiber?
- Lesson 2 - Types and Breeds of Dairy Animals
- Lesson 3 - Working with a Dairy Cow
- Lesson 4 - Milk and Home Dairying
- Lesson 5 - Wool and Other Fibers
- Lesson 6 - Fiber Animals
- Lesson 7 - Using Fibers
- Lesson 8 - Sheep Necessities

Unit 6 - Meat Animals

- Lesson 1 - History of Meat Animals
- Lesson 2 - Meat Production
- Lesson 3 - Choosing a Meat Animals
- Lesson 4 - Swine Anatomy
- Lesson 5 - Care of Meat Animals
- Lesson 6 - Health and Disease
- Lesson 7 - Meat and Butchering
- Lesson 8 - Planning Homestead Meat

Chapter 3 - Growing Vegetables

Unit 7 - Compost & Soil

- Lesson 1 - Is it Dirt or Soil?
- Lesson 2 - Soil Characteristics
- Lesson 3 - Soil Composition
- Lesson 4 - What is Compost?
- Lesson 5 - Creating Compost
- Lesson 6 - Soil Health & Crop Rotation
- Lesson 7 - Understanding Soil & Amending
- Lesson 8 -Plant Requirements

Unit 8 - Gardening

- Lesson 1 - The Beauty of Gardens
- Lesson 2 - Plant Anatomy
- Lesson 3 - Photosynthesis
- Lesson 4 - Vegetables & Flowers
- Lesson 5 - Seed Starting
- Lesson 6 - Maintaining a Garden
- Lesson 7 - Enjoying the Harvest
- Lesson 8 - Planting a Garden

Chapter 4 - Growing Fruit

Unit 9 - Orchards & Vineyards

- Lesson 1 - Definitions of Orchards & Vineyards
- Lesson 2 - Anatomy of a Fruit Tree
- Lesson 3 - Orchard Fruits
- Lesson 4 - Orchard Nuts
- Lesson 5 - Vineyards
- Lesson 6 - Choose Cultivars and Growing
- Lesson 7 - Orchard Maintenance
- Lesson 8 - Orchards Throughout the Year

Unit 10 - Insects & Bees

- Lesson 1 - History of Bugs
- Lesson 2 - Honeybee Anatomy
- Lesson 3 - Beekeeping
- Lesson 4 - All About Honey
- Lesson 5 - Beneficial Vs Bad Bugs
- Lesson 6 - Insect Husbandry
- Lesson 7 - Microscopic Bugs
- Lesson 8 - Bee Operation

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Chapter 5 - Grains & Homestead Kitchen

Unit 11 - Grain & Forage Crops

- Lesson 1 - Grasslands
- Lesson 2 - Grass Anatomy
- Lesson 3 - Grains, Legumes, and Grass
- Lesson 4 - Uses for Grain
- Lesson 5 - Storage
- Lesson 6 - Protein Levels & Ration Formulas
- Lesson 7 - Commercial vs. Small Scale
- Lesson 8 - Planning for Feeding Livestock

Unit 12 - Food Preservation

- Lesson 1 - The Story of Food Preservation
- Lesson 2 - Canning
- Lesson 3 - Food Safety
- Lesson 4 - Drying & Freeze Drying
- Lesson 5 - Meat Preservation
- Lesson 6 - Freezing & Cold Storage
- Lesson 7 - Pickling & Fermenting
- Lesson 8 - Planning For Food Preservation

Unit 13 - Home Cooking

- Lesson 1 - The Continuing Development
- Lesson 2 - Understanding Food
- Lesson 3 - Flavoring Food
- Lesson 4 - Preservatives & Bread
- Lesson 5 - Added Sugar
- Lesson 6 - Food Safety
- Lesson 7 - Cooking Vegetables
- Lesson 8 - Planning a Meal

Chapter 6 - Homesteading in Nature

Unit 14 - Off-Grid Life

- Lesson 1 - What is off-grid?
- Lesson 2 - Legalities & Feasibility
- Lesson 3 - Alternative Power
- Lesson 4 - Alternative Water Systems
- Lesson 5 - Wastewater Management
- Lesson 6 - Alternative Heat & Cooking
- Lesson 7 - Reducing Reliance on Social Systems
- Lesson 8 - Planning an Off-Grid System

Unit 15 - Hunting & Fishing

- Lesson 1 - Hunting, Fishing, & Trapping
- Lesson 2 - Anatomy & Safety of Equipment
- Lesson 3 - Hunting
- Lesson 4 - Fishing
- Lesson 5 - Trapping
- Lesson 6 - Navigating the Wild
- Lesson 7 - Being Prepared
- Lesson 8 - Before You Hunt

Chapter 7 - Homestead Healing

Unit 16 - Herbalism & Foraging

- Lesson 1 - What is herbalism?
- Lesson 2 - Herb Identification
- Lesson 3 - Herbal Safety
- Lesson 4 - Fresh & Dried Herbs
- Lesson 5 - Preparing Herbs
- Lesson 6 - Growing & Foraging
- Lesson 7 - Herbs on the Homestead
- Lesson 8 - Planning Herbalism

Unit 17 - First Aid

- Lesson 1 - First Aid
- Lesson 2 - Building a First Aid Kit
- Lesson 3 - Basic First Aid
- Lesson 4 - Advanced First Aid
- Lesson 5 - Building a Livestock First Aid Kit
- Lesson 6 - Basic Animal First Aid
- Lesson 7 - Survivalism
- Lesson 8 - Talking to First Responders

Chapter 8 - Homestead Management

Unit 18 - Homestead Management

- Lesson 1 - Owning Land
- Lesson 2 - Homestead Styles
- Lesson 3 - Land & Water
- Lesson 4 - Fences
- Lesson 5 - Homestead Buildings
- Lesson 6 - Tools & Hardware
- Lesson 7 - Building & Repairs
- Lesson 8 - Structure