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## Terrace Ridge Academy

### *Farm Living and Learning Classes!*

<u>Module</u>	<u>Available Topics</u>	<u>Suggested Time/Instructors</u>
<b>The Science of Farming</b>		
Soil Science	<ol style="list-style-type: none"> <li>1. Soil fertility and fertilizers</li> <li>2. Using a soil survey</li> <li>3. Soil sampling and analysis</li> <li>4. Using a soil textural triangle</li> </ol>	<p>2 hours Carol Parker Matthew Parker</p>
Pasture Establishment and Maintenance	<ol style="list-style-type: none"> <li>1. Establishing pastures</li> <li>2. Herbicides</li> <li>3. Pesticides</li> <li>4. Weed identification</li> </ol>	<p>2 hours Carol Parker Matthew Parker</p>
Agricultural Biology	<ol style="list-style-type: none"> <li>1. Seed germination</li> <li>2. The carbon and nitrogen cycles</li> <li>3. Nutrients necessary for life</li> </ol>	<p>1 hour Carol Parker</p>
<b>Farming the Land</b>		
Permanent Crops	<ol style="list-style-type: none"> <li>1. Overview – What to expect</li> <li>2. Blueberries - soil preparation, care, propagation</li> <li>3. Grapes - soil preparation, care, propagation</li> <li>4. Blackberries - soil preparation, care, propagation</li> </ol>	<p>1 Hour Nick Lasala</p>
Gardening	<ol style="list-style-type: none"> <li>1. Preparation</li> <li>2. Planting</li> <li>3. Maintenance</li> <li>4. Watering</li> <li>5. Picking</li> </ol>	<p>2 Hours</p>



	<ol style="list-style-type: none"> <li>6. Crop Rotation</li> <li>7. Green House</li> <li>8. Year Round Gardening</li> <li>9. Composting</li> </ol>	
Hay	<ol style="list-style-type: none"> <li>1. Qualitatively evaluating hay quality using sight, smell, taste, and touch</li> <li>2. Quantitatively evaluating hay quality using a hay test</li> <li>3. Hay production methods in NC</li> <li>4. Comparing hay prices and matching hay quality to animal needs</li> <li>5. Hay storage</li> </ol>	<p>1.5 hours          Matthew Parker</p>
<b>Animal Production and Products</b>		
<p>Poultry Production          Chickens          Turkeys</p>	<ol style="list-style-type: none"> <li>1. Incubating</li> <li>2. Hatching</li> <li>3. Brooding</li> <li>4. Transferring to Outside</li> <li>5. Culling for Food and other reasons</li> <li>6. Raising chicks from one day old</li> <li>7. Brooder box</li> <li>8. Chicken coop design</li> <li>9. Roosts vs. nesting boxes</li> <li>10. Chicken nutrition</li> <li>11. Homeopathic Worm Prevention</li> <li>12. Diseases</li> </ol>	<p>1.5 hours          Shawna Muhly</p>
<p>Small Animal Production          (Goats, Rabbits)</p>	<ol style="list-style-type: none"> <li>1. Basics of small animal husbandry</li> <li>2. Breeding</li> <li>3. Birthing</li> <li>4. Care</li> <li>5. Raising Rabbits for Fiber</li> </ol>	<p>1.5 hours          Shawna Muhly</p>
<p>Sheep Production</p>	<ol style="list-style-type: none"> <li>1. Basics of sheep husbandry</li> <li>2. Sheep pasture and nutrition</li> <li>3. Breeding</li> <li>4. Birthing</li> <li>5. Care</li> </ol>	<p>1 hour          Amy MaComber</p>



Bee Keeping	Bee keeping for honey, money and pollination	1 Hour
Milk Production	<ol style="list-style-type: none"> <li>1. Maintaining Cows for milk production</li> <li>2. Calving</li> <li>3. Sheltering</li> </ol>	1 Hour
Beef Production	<ol style="list-style-type: none"> <li>4. Beef cattle husbandry</li> <li>5. Beef cattle facilities</li> <li>6. Visually evaluating beef quality</li> <li>7. Managing and predicting average daily gain</li> <li>8. Reading a cattle market report</li> <li>9. Beef cattle nutrition</li> <li>10. From pasture to plate: understanding dressing percentages and yield percentages</li> </ol>	2 hours Matthew Parker Michael Parker
<b>Farm Maintenance and Building</b>		
Fence Construction and Maintenance	<ol style="list-style-type: none"> <li>1. Wire: Electric, Woven, Barbed, Hi-Tensile</li> <li>2. Fence Types: chicken, dog, rat, etc.</li> <li>3. Posts: Wood, T-Posts, Temporary, Fiberglass</li> <li>4. Electric Fence Set up</li> <li>5. Post Setting and Corner bracing</li> <li>6. Calculating cost-per-foot</li> </ol>	1.5 hours Michael Parker Matthew Parker
Farm Equipment Overview	<ol style="list-style-type: none"> <li>1. Selecting and Using a Small Tractor</li> <li>2. Maintaining a small tractor</li> <li>3. Connecting Tractor Implements</li> <li>4. Understanding a hay mower, tedder, rake, and baler</li> <li>5. Tillage tools: plow, disc, cultivators, and more</li> <li>6. Mowers: disc mower vs. sickle mower vs. bush hog vs. finishing mower vs. flail mower</li> <li>7. Miscellaneous: auger, subsoiler, aerator, etc.</li> </ol>	2 hours Matthew Parker Michael Parker



Small Engines on the Farm	<ol style="list-style-type: none"> <li>1. Chain saws.</li> <li>2. Weedeaters.</li> <li>3. Irrigation pumps and principles of irrigation.</li> <li>4. Lawnmowers.</li> <li>5. Utility vehicles.</li> </ol>	1-2 hours
Basic Carpentry and Building Farm Structures	<ol style="list-style-type: none"> <li>1. Material selection (wood, concrete, etc.).</li> <li>2. Carpentry tools: circular saw, reciprocating saw, table saw, miter saw, drill, drill press, vice, etc.</li> </ol>	2 hours
<b>Farm Living</b>		
Starting Your Farm	<ol style="list-style-type: none"> <li>1. What do you need?</li> <li>2. Water how to</li> <li>3. Septic</li> <li>4. Permits</li> <li>5. Voluntary Ag District</li> <li>6. Bona Fide Farm</li> <li>7. Financing</li> </ol>	1 hour
Homeschooling	<ol style="list-style-type: none"> <li>1. Introduction to Homeschooling</li> <li>2. What is required?</li> <li>3. How do you start?</li> <li>4. Identifying a curriculum</li> <li>5. Homeschooling Resources/Support Groups</li> <li>6. Cooping – Play to your Strengths</li> <li>7. Transcripts</li> </ol>	2 hours
Food Preservation	<ol style="list-style-type: none"> <li>1. Freezing</li> <li>2. Canning</li> <li>3. Drying</li> <li>4. Cellars</li> </ol>	2 Hours
Home Based Business	<ol style="list-style-type: none"> <li>1. What can you do to make money on the farm from home?</li> <li>2. Bees</li> <li>3. Soap</li> </ol>	1-2 hours



	<ol style="list-style-type: none"> <li>4. Crafts</li> <li>5. Angora/Wool Production</li> <li>6. Agri-Tourism</li> <li>7. More</li> </ol>	
Herb Gardening	<ol style="list-style-type: none"> <li>1. Produce your own herbs</li> <li>2. Composting</li> </ol>	1 hour
Home Health	<ol style="list-style-type: none"> <li>1. Learn about resources</li> <li>2. Natural herbs</li> <li>3. Natural healing</li> <li>4. Supplements</li> <li>5. Covid 19 Preventatives</li> <li>6. Healing benefits of Bone Broth</li> <li>7. Basic First Aid</li> <li>8. Wound Care and Treatment</li> </ol>	1-2 hours
Enjoying Beef	<p>I have been amazed at how many people ask me how to cook beef. Carol Parker is an accomplished cook of beef and Michael Parker has mastered grilling techniques that make the perfect steak easy. Learn how to cook and enjoy Terrace Ridge Beef from the producers of it.</p>	<p>1-2 hours</p> <p>Michael Parker          Carol Parker</p>
Hunting	<p>Designed for the beginner, you can choose your interest and we will provide an instructor,</p>	1-2 Hours
Knot Tying	<p>On the farm, a good knot can make a big difference. A bad knot can cost you more than money. Learn knot tying from a four-time NC Heavy Duty Rescue Champion! And yes, there may event be some rescue or farm stories thrown in!</p>	<p>1 Hour</p> <p>Michael Parker</p>
<b>Home Protection</b>		
Wildlife Predators	<ol style="list-style-type: none"> <li>1. Land, Aquatic and Air Based Predators</li> <li>2. Scat and Tracking</li> </ol>	<p>1 Hour</p> <p>Catherine Goodson</p>



	3. Lethal vs. Non-Lethal Trapping and Eradication	
Firearms	General Introduction to Firearms	1 hour
Firearms	Advanced Firearms – Shooting/Operation	2 hours
Protecting Your Investment	<ol style="list-style-type: none"> <li>1. Learn the Law related to home/farm protection</li> <li>2. Trespassing</li> <li>3. Breaking and Entering</li> <li>4. Insurance</li> <li>5. Patenting</li> <li>6. Trademarking</li> </ol>	1 hour Michael Parker Matthew Parker
<b>Just for Fun . . .</b>		
Murder Stories	Michael Parker is a retired homicide prosecutor who has taught prosecutors in 15 states. During his life, Michael worked approximately 800 homicides including some that made it to TV. Michael specialized in circumstantial evidence cases, most of which were like a “made for TV movie.” Want to hear about them? Yeah, we can do that – just for fun.	1-2 hours Michael Parker
Story Telling	You don’t try nearly 150 jury trials without becoming a pretty good storyteller. Michael Parker will tell you farm stories, rescue stories, or trial stories – just for fun!	1 hour Michael Parker
Constitution and the Law	Want to learn about the constitution and the NC Court System? Learn from Campbell Law School’s 2021 Valedictorian and a retired homicide prosecutor. Seriously –we will teach it in the cow palace!	2 hours Michael Parker Matthew Parker